1984 Survey of Atlantic Fishermen

November 1987

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1984 Survey of Atlantic Fishermen

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FOREWORD

In May and June of 1985, the Department of Fisheries and Oceans (DFO) surveyed the 1984 income and employment situation of commercial fishing licence-holders in the Atlantic provinces and Quebec. This report presents the survey results.

The purpose of this survey was to update information on Atlantic commercial fishermen: fishing revenues, operating expenses, other sources of income, fishing effort and other characteristics. The first such survey was conducted by the Department for the Task Force on Atlantic Fisheries (1982) and was based on the 1981 fishing year. The Task Force recommended that regular updates of that survey be conducted for the benefit of the industry and policy-makers. The 1984 survey responds to that recommendation.

The 1981 survey involved approximately 1,000 respondents from Newfoundland, New Brunswick, P.E.I. and Nova Scotia. The 1984 survey included Quebec, and involved 1,847 respondents. While all of the fishermen interviewed held 1984 commercial licences, not all the licences were used. This report is based primarily on those 1,433 respondents who participated in the fishery during the year. Estimates have been statistically weighted to represent the entire population of Atlantic commercial fishermen (59,152), while tables have been prepared with specific emphasis on the 44,798 fishermen who participated in 1984.

The results of the survey have been aggregated by province, by DFO region, and by the analytical areas used by the 1982 Task Force on Atlantic Fisheries. These 13 Task Force areas are defined and illustrated in Appendix I. Survey methodology is described in Appendix II. Information upon which the text of this report is based is presented in table form in Appendix III, for full-time fishermen, part-time fishermen, and for all active fishermen. A selected set of tables are provided in Appendix IV to demonstrate comparative results based on whether the fishermen participated principally as skippers/operators or as crewmen. Appendix V presents the differences in the income, expenses, and employment situation of fishermen between 1981 and 1984, based on the results of the two surveys.

Much of the information is represented as averages. This can be misleading in an industry as diverse as the Atlantic fishery in terms of length of season, price received for species landed and access to other employment. These averages, therefore, may not always describe actual situations in many areas and should be used with some caution.

This report replaces the original publication of the survey results released under the title "1984 Survey of Income and Employment of Atlantic and Quebec Fishermen". That report had been prepared under special contract to the Department, however, revisions were considered necessary after publication and it was decided to re-publish the results as part of the Economic and Commercial Analysis publication series. This current report was prepared by the Surveys Unit of the Economic and Commercial Analysis Directorate. The data presented expands on that provided in the original report with a view to providing analysts with more useful information from the survey.

The results of this survey now provide the most comprehensive, detailed and up-to-date information on Atlantic fishermen's incomes, employment and fishing patterns. Any comments or suggestions on the contents of this report would be welcome.

R.W. Crowley
Director General
Economic and Commercial
Analysis Directorate

TABLE OF CONTENTS

	Page
Foreword	i
1984 SURVEY OF ATLANTIC FISHERMEN	
FULL-TIME AND PART-TIME FISHERMEN	1
PARTICIPATION	1
GRAPH 1: Participation in the Commercial Fishery: Licence Type by Task Force Area	2
OVERVIEW OF THE ATLANTIC FISHERY	3
ANNUAL ACTIVITY	5
GRAPH 2: Fishing Activity in Weeks: Full-Time Fishermen by Task Force Area	6
GRAPH 3: Fishing Activity in Weeks: Part-Time Fishermen by Task Force Area	7
VESSEL ACTIVITY	9
SPECIES FISHED	10
FISHING INCOME	11
GRAPH 4: Fishing Income and Expenses: Full-Time Fishermen by Task Force Area	14
GRAPH 5: Fishing Income and Expenses: Part-Time Fishermen by Task Force Area	15
INCOME FROM OTHER SOURCES	16
TABLE: Comparison of 1984 Average and Median Incomes	19
APPENDIX I TASK FORCE ANALYTICAL AREAS	
- Map	22
- Definitions	23
APPENDIX II METHODOLOGY	25

Page

APPENDIX III TABLES BY ACTIVITY CATEGORY 31

Distribution of Fishermen in the Atlantic Commercial Fishery and Age Profile

By Task Force Area 1.1 Distribution of Fishermen 32
1.2 Age Profile 33

By Region 1.3 Distribution of Fishermen 34
1.4 Age Profile 35

By Province 1.5 Distribution of Fishermen 36
1.6 Age Profile 37

Household Information

By Task Force Area 2.1 All Active Fishermen 38

By Region 2.2 All Active Fishermen 39

By Province 2.3 All Active Fishermen 40

Vessel Information

By Task Force Area 3.1 All Active Fishermen 41

By Region 3.2 All Active Fishermen 42

By Province 3.3 All Active Fishermen 43

Annual Activity in Weeks

By Task Force Area 4.1 All Active Fishermen 44
4.2 Full-Time Fishermen 45
4.3 Part-Time Fishermen 46

By Region 4.4 All Active Fishermen 47
4.5 Full-Time Fishermen 48
4.6 Part-Time Fishermen 49

By Province 4.7 All Active Fishermen 50
4.8 Full-Time Fishermen 51
4.9 Part-Time Fishermen 52

Page

Factors Affecting Fishing Behaviour

By Task Force Area 5.1 All Active Fishermen 53

By Region 5.2 All Active Fishermen 54

By Province 5.3 All Active Fishermen 55

Fishing Expenses

By Task Force Area 6.1 All Active Fishermen 56
6.2 Full-Time Fishermen 57
6.3 Part-Time Fishermen 58

By Region 6.4 All Active Fishermen 59
6.5 Full-Time Fishermen 60
6.6 Part-Time Fishermen 61

By Province 6.7 All Active Fishermen 62
6.8 Full-Time Fishermen 63
6.9 Part-Time Fishermen 64

Fishing Income

By Task Force Area 7.1 All Active Fishermen 65
7.2 Full-Time Fishermen 66
7.3 Part-Time Fishermen 67

By Region 7.4 All Active Fishermen 68
7.5 Full-Time Fishermen 69
7.6 Part-Time Fishermen 70

By Province 7.7 All Active Fishermen 71
7.8 Full-Time Fishermen 72
7.9 Part-Time Fishermen 73

Income From Other Sources

By Task Force Area 8.1 All Active Fishermen 74
8.2 Full-Time Fishermen 75
8.3 Part-Time Fishermen 76

By Region 8.4 All Active Fishermen 77
8.5 Full-Time Fishermen 78
8.6 Part-Time Fishermen 79

By Province 8.7 All Active Fishermen 80
8.8 Full-Time Fishermen 81
8.9 Part-Time Fishermen 82

			Page
Income Summary			
By Task Force Area	9.1	All Active Fishermen	83
	9.2	Full-Time Fishermen	84
	9.3	Part-Time Fishermen	85
By Region	9.4	All Active Fishermen	86
	9.5	Full-Time Fishermen	87
	9.6	Part-Time Fishermen	88
By Province	9.7	All Active Fishermen	89
	9.8	Full-Time Fishermen	90
	9.9	Part-Time Fishermen	91
Ranges of Net Fishing Incomes			
By Task Force Area	10.1	All Active Fishermen	92
	10.2	Full-Time Fishermen	93
	10.3	Part-Time Fishermen	94
By Region	10.4	All Active Fishermen	95
	10.5	Full-Time Fishermen	96
	10.6	Part-Time Fishermen	97
By Province	10.7	All Active Fishermen	98
	10.8	Full-Time Fishermen	99
	10.9	Part-Time Fishermen	100
Ranges of Total Incomes			
By Task Force Area	11.1	All Active Fishermen	101
	11.2	Full-Time Fishermen	102
	11.3	Part-Time Fishermen	103
By Region	11.4	All Active Fishermen	104
	11.5	Full-Time Fishermen	105
	11.6	Part-Time Fishermen	106
By Province	11.7	All Active Fishermen	107
	11.8	Full-Time Fishermen	108
	11.9	Part-Time Fishermen	109
Fishing Activity by Species Fished			
By Task Force Area	12.1	Number of Fishermen Fishing Each Species	110
	12.2	Number of Weeks Fished For Each Species	111
	12.3	Average Number of Weeks Fished by Fishermen Fishing Each Species	112

Page

Fishing Activity by Species Fished (Cont'd)

By Region
12.4 Number of Fishermen Fishing Each Species 113
12.5 Number of Weeks Fished For Each Species 114
12.6 Average Number of Weeks Fished by Fishermen Fishing Each Species 115

By Province
12.7 Number of Fishermen Fishing Each Species 116
12.8 Number of Weeks Fished For Each Species 117
12.9 Average Number of Weeks Fished by Fishermen Fishing Each Species 118

Types of Vessels Worked On Most

By Task Force Area
13.1 Number of Fishermen Fishing on Each Type of Vessel 119
13.2 Number of Weeks Fished on Each Type of Vessel 120
13.3 Average Number of Weeks Fished by Fishermen Fishing on Each Type of Vessel 121

By Region
13.4 Number of Fishermen Fishing on Each Type of Vessel 122
13.5 Number of Weeks Fished on Each Type of Vessel 123
13.6 Average Number of Weeks Fished by Fishermen Fishing on Each Type of Vessel 124

By Province
13.7 Number of Fishermen Fishing on Each Type of Vessel 125
13.8 Number of Weeks Fished on Each Type of Vessel 126
13.9 Average Number of Weeks Fished by Fishermen Fishing on Each Type of Vessel 127

Page

APPENDIX IV TABLES BY PRINCIPAL ROLE SKIPPER VERSUS CREWMAN 129

Annual Activity in Weeks

By Task Force Area 1.1 Skippers 130
1.2 Crewmen 131

By Region 1.3 Skippers 132
1.4 Crewmen 133

By Province 1.5 Skippers 134
1.6 Crewmen 135

Fishing Expenses

By Task Force Area 2.1 Skippers 136
2.2 Crewmen 137

By Region 2.3 Skippers 138
2.4 Crewmen 139

By Province 2.5 Skippers 140
2.6 Crewmen 141

Fishing Income

By Task Force Area 3.1 Skippers 142
3.2 Crewmen 143

By Region 3.3 Skippers 144
3.4 Crewmen 145

By Province 3.5 Skippers 146
3.6 Crewmen 147

Income From Other Sources

By Task Force Area 4.1 Skippers 148
4.2 Crewmen 149

By Region 4.3 Skippers 150
4.4 Crewmen 151

By Province 4.5 Skippers 152
4.6 Crewmen 153

Page

Income Summary

By Task Force Area 5.1 Skippers 154
5.2 Crewmen 155

By Region 5.3 Skippers 156
5.4 Crewmen 157

By Province 5.5 Skippers 158
5.6 Crewmen 159

APPENDIX V COMPARISON OF RESULTS OF 1981 AND 1984 SURVEYS OF ATLANTIC FISHERMEN 161

Table A Comparison of Fishing Income and Expenses for Atlantic Fishermen, 1981 and 1984, (current $'s) 164

Table B Comparison of Fishing Income and Expenses for Atlantic Fishermen, 1981 and 1984 (1984 $'s) 165

Table C Comparison of Income From All Sources for Atlantic Fishermen, 1981 and 1984 (current $'s) 166

Table D Comparison of Income From All Sources for Atlantic Fishermen, 1981 and 1984 (1984 $'s) 167

APPENDIX VI QUESTIONNAIRE 169

A NOTE TO READERS

As indicated in the Foreword, detailed tables in Appendix III provide information by Task Force Area, DFO region and province. Because statistics discussed in the text may appear on more than one table, textual references have been omitted.

1984 SURVEY OF ATLANTIC FISHERMEN

This report summarizes the major findings of the 1984 Survey of Atlantic Fishermen. Its purpose is to provide a clear picture of the income and employment situation of the participants of the Atlantic fishery. The diversity of the fishery in terms of season lengths, prices received, methods of harvesting, and weather conditions is reflected in the incomes and expenses of the fishermen involved. These conditions vary by area across the five provinces, with some fishermen making substantial incomes while others rely on government transfers merely to achieve modest income levels.

FULL-TIME AND PART-TIME FISHERMEN

In 1981, DFO began classifying Atlantic commercial fishing licences as full-time or part-time to distinguish between those who relied primarily on fishing for their livelihoods and those who fished to supplement other income. A full-time fisherman was defined as a person who fished consistently for a specified period of time in their area, without other work during that period except self-employment in the primary industries on a limited basis, or incidental or occasional jobs during the required fishing period. A part-time fisherman, then, was a commercial fisherman who did not meet those requirements.

In 1984, there were a number of different categories of licences issued by the Department. The survey asked fishermen to identify themselves as full-time or part-time based on their activities in the fishery that year in order to provide a basis for comparisons to the first survey. Newfoundland was the only province where a clear licence distinction was officially made. Categories of activity in the other four provinces were determined according to the responses provided by the surveyed fishermen and are used for analytical purposes in this report.

PARTICIPATION

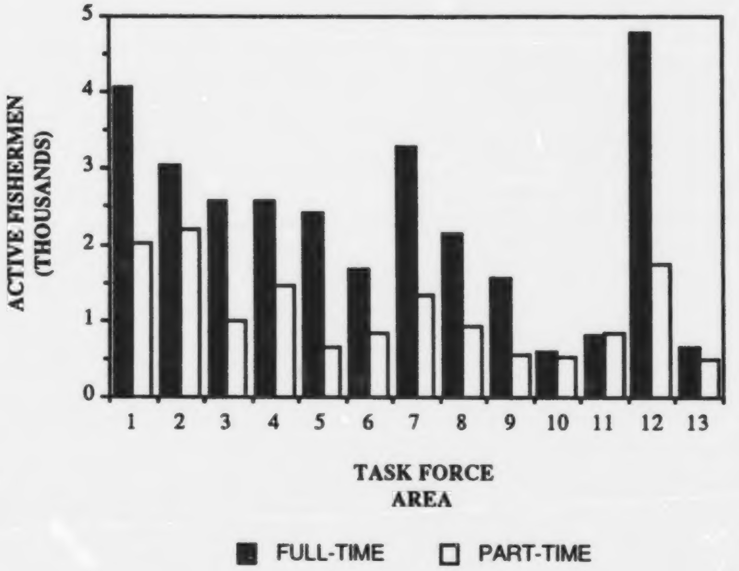
Individuals who want to fish and sell all or part of their catch must obtain a personal commercial fishing licence from the federal government. In 1984, DFO issued 59,152 such licences in the five Atlantic provinces. Newfoundland issued the largest number of licences (27,618, or 47%), followed by Nova Scotia (13,253, or 22%). Quebec, New Brunswick and Prince Edward Island accounted for 14%, 11% and 6% of licences issued, respectively.

Not all licences issued are actually used in a particular season. In 1984, 44,798 licence-holders, or approximately 75%, actually participated in the fishery. The proportion of active full-time fishermen was consistency high across all provinces (between 91% and 99%), except in Quebec where only 75% of full-time fishermen were active. The same

Graph 1

PARTICIPATION IN THE COMMERCIAL FISHERY

Licence Type by Task Force Area



1. North East Newfoundland and Labrador
2. South East Newfoundland
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4. West Coast Newfoundland
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6. Gaspé Québec
7. Gulf New Brunswick
8. Prince Edward Island
9. Gulf Nova Scotia
10. North East Nova Scotia
11. Eastern Shore Nova Scotia
12. South West Nova Scotia
13. Fundy New Brunswick

consistency was not apparent among part-time fishermen, of whom 57% were active in 1984. On the Gulf coast of Nova Scotia, as many as 91% of the part-timers used their licences. In northeast Newfoundland and Labrador, where inshore fishing is not as lucrative, and where it appears that many hold licences to preserve their future access to the fishery, only 36% part-time licence holders were active. The distribution of active full-time and part-time fishermen by the 13 analytical areas is illustrated in Graph 1. According to the survey, of the 44,798 active fishermen, 30,190 (67%) were classified as full-time, while 14,608 (33%) were considered part-time.

Survey results indicate that 42% of Atlantic fishermen were under the age of 35, 26% were between 35 and 44, and 33% were over 45. While, on average, 6% of fishermen were over 65, on the Gulf coast of Nova Scotia, more than double that percentage (15%) were in the age group.

The survey found that the average household size of an active fisherman was 3.8 individuals for a total of close to 140,000 household members. An estimated 7,880 fishermen lived in households where at least one other member was an active fisherman. It is estimated that 9,650 family members, as well as 1,713 active fishermen, also worked in fish processing jobs, demonstrating the added dependence of some households on the secondary sector of the fishing industry. Newfoundland had the highest number of active fishermen and plant workers. Prince Edward Island had the highest percentage of fishermen as household members and New Brunswick had the highest percentage of household members who worked in plants.

OVERVIEW OF THE ATLANTIC FISHERY

The Atlantic fishing industry is diverse. The major species, including groundfish, herring, lobster, crab, shrimp, and scallops, vary widely in availability, distribution and in market price. Season lengths vary by species and region. For example, the length of a lobster season generally differs from that of groundfish for a particular area and season lengths for the same species also vary from area to area. Schooling patterns of different fish often dictate the most effective type of gear and vessel to use for harvesting. The combination of these factors affect a fisherman's gross fishing income, operating expenses, and therefore net fishing income. In some areas off-season job opportunities are available, while in others there is little alternative employment for fishermen. All of these factors contribute to the diversity of fishing activity and the level of incomes of its participants.

The survey collected information on key characteristics of fishing activity in each province. In terms of season lengths, the longest periods of fishing activity were in Nova Scotia where fishermen averaged 22.8 weeks. Fishermen fished an average of 17 weeks in P.E.I. , 16.5 in Newfoundland, 14.6 in New Brunswick, and 13.4 in Quebec.

Newfoundland The groundfish fishery is the most important in Newfoundland, accounting for 83% of the province's total landings. Half of all the groundfish landings in Atlantic Canada were taken in Newfoundland. Fishermen in this province spent most of their time fishing for groundfish (67%) and considerably less time pursuing other species. The most frequently used vessels were the outboard and the longliner. Net fishing income was lower in Newfoundland than in the other Atlantic provinces, averaging $5,323. Fishermen worked an average of 2.8 weeks in other employment, earning $1,214. On average they collected UI benefits for 18 weeks, averaging $3,398 for the year. Total income from all sources for the average Newfoundland fisherman was $10,526, the lowest in the five provinces.

Quebec Quebec fishermen also devoted most of their effort (57%) to groundfish which accounted for 67% of the province's landings but less than 8% of total Atlantic groundfish landings. Quebec landed 45% of the Atlantic shrimp harvest, although only a small percentage of time (1.7%) was spent by fishermen in the shrimp fishery. The tender and the trawler were the two most commonly used vessels. Net fishing income averaged $5,486 and income from other employment averaged $1,645 from 4.4 weeks of work. Quebec fishermen collected an average of $3,491 in UI benefits over an average of 21.3 weeks. Their average total income from all sources was $11,375.

Prince Edward Island Lobster is the most important species in P.E.I., accounting for 21% of all lobster landings in Atlantic Canada and accounting for more of the average P.E.I. fisherman's effort than any other species (31.5%). Groundfish was important on a provincial basis but, at less than 3% of total Atlantic groundfish landings, was relatively minor from a regional perspective. The tender and outboard were the most widely used vessels in P.E.I. Net fishing income averaged $8,393; income from other employment averaged $1,014 for 3.8 weeks work, and UI benefits averaged $4,556 over 21.2 weeks. Average income from all sources was $14,350.

New Brunswick New Brunswick fishermen landed 42% of the Atlantic crab catch in 1984 although, in terms of landed weight, herring accounted for more of the province's total landings. Lobster landings in New Brunswick accounted for 21% of the Atlantic total, and the average fisherman spent more time (24.5%) on lobster than any other species. The tender and the trawler were the two most widely used vessels. Net fishing income averaged $9,635; income from other employment was $1,760 for just over five weeks of work; and UI benefits were $3,885 over an average of 18.5 weeks. Total income from all sources averaged $16,181.

Nova Scotia Fishing is more lucrative in Nova Scotia than in the other Atlantic provinces. In 1984, the average fisherman devoted most time to fishing groundfish (42.4%), catching 37% of the Atlantic groundfish landings. Nova Scotia fishermen also caught 43% of the lobster and 77% of the scallops. The tender and the dragger were the two most widely used vessels. Nova Scotia fishermen averaged $12,936 in net fishing income, $2,397 in 5.5 weeks of other employment, and $2,696 in UI benefits over 10.2 weeks. The average total income was $19,459.

This brief overview illustrates the diversity of the Atlantic fishery. This diversity becomes even more apparent when examined in smaller areas, and when full-time and part-time fishermen are compared. The Task Force on Atlantic Fisheries divided the Atlantic fishery into 13 coastal areas which remain convenient for analytical purposes. The remainder of the report concentrates on the differences among these 13 areas for full-time and part-time fishermen in terms of activity and incomes.

ANNUAL ACTIVITY

Lengths of seasons vary according to the availability of species, gear type, vessel size, weather, ice conditions, and area closures. Some areas sustain year-round fisheries while others support seasons lasting only a few weeks. Some fishermen exploit each season to the fullest while others devote less time to fishing and supplement their incomes from other sources.

In 1984, Atlantic fisherman fished an average of 17.5 weeks and devoted an average of almost six weeks to preparation for the season. Fishermen also spent an average of four weeks in other income-earning employment, almost 17 weeks collecting unemployment insurance benefits, and close to five weeks at other activities. The longest period of fishing was in southwest Nova Scotia where the average fisherman fished 26.1 weeks, compared with a low of 12.6 weeks on the north shore of Quebec. When preparation and other related activities such as vessel and gear repair are included, total fishing activity averaged 23.7 weeks, ranging from 16.8 weeks on the north shore of Quebec to 32.3 weeks in southwest Nova Scotia.

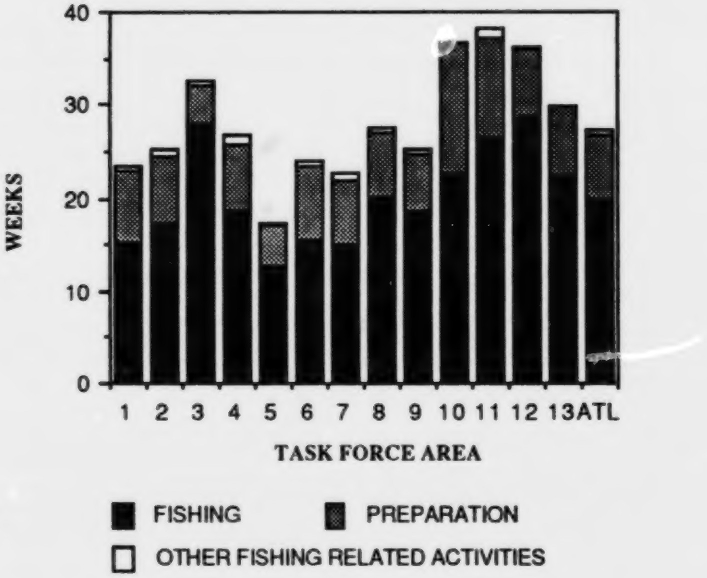
There is a noticeable difference in annual activity between full-time and part-time fishermen. The average "full-timer" fished 19.9 weeks, compared to "part-timers" who averaged 12.5 weeks. Full-time fishermen in general spent almost twice as long in preparation for the fishing season, averaging almost seven weeks, compared to just under 3.5 weeks for part-time fishermen.

The distribution of annual fishing activity of full-time and part-time fishermen by Task Force area is shown in Graphs 2 and 3. The average number of weeks spent fishing among full-time fishermen was highest in southwest Nova Scotia at 28.9 weeks, followed closely by southern Newfoundland at 28 weeks. The shortest period of fishing activity by full-time fishermen was on the north shore of Quebec at 12.8 weeks. Northeast

Graph 2

ANNUAL FISHING ACTIVITY IN WEEKS

Full-Time Fishermen by Task Force Area



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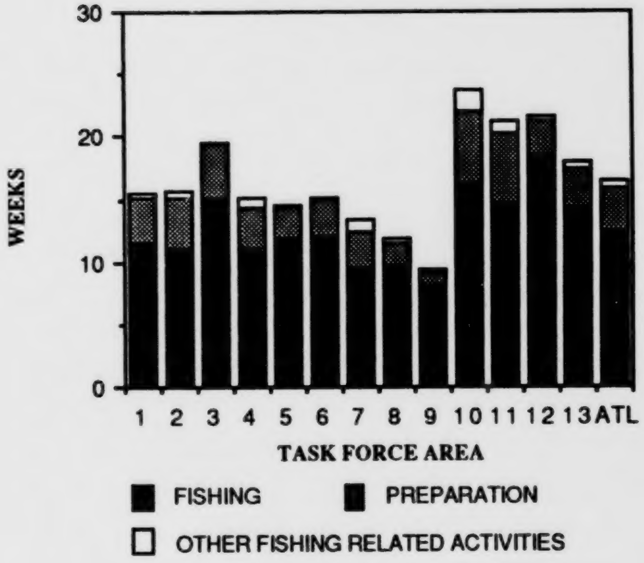
6. Gaspé Québec
7. Gulf New Brunswick
8. Prince Edward Island
9. Gulf Nova Scotia
10. North East Nova Scotia
11. Eastern Shore Nova Scotia
12. South West Nova Scotia
13. Fundy New Brunswick

Graph 3

ANNUAL FISHING ACTIVITY IN WEEKS

Part-Time Fishermen by Task Force Area



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8. Prince Edward Island
9. Gulf Nova Scotia
10. North East Nova Scotia
11. Eastern Shore Nova Scotia
12. South West Nova Scotia
13. Fundy New Brunswick

Newfoundland and Labrador, Gaspé Quebec, and the Gulf coast of New Brunswick, all averaged about 15 weeks. The number of weeks, including preparation time and other fishing-related activities, ranged from 36.3 in southwest Nova Scotia to 17.4 on the north shore of Quebec.

The average part-time fisherman fished 12.5 weeks. This ranged from a low of 8.2 weeks on the Gulf coast of Nova Scotia, to a high of 18.5 weeks in southwest Nova Scotia. The number of weeks, including preparation time and other fishing related activities, ranged from 9.4 on the Gulf coast of Nova Scotia to 23.7 in northeast Nova Scotia.

The results of the survey showed that the two major factors affecting the length of time spent fishing were weather and the availability of fish. Less significant factors were vessels or gear repairs, poor prices, area closures, quotas, and plants not buying their landings.

Not surprisingly, other occupations are far more important for part-timers than for full-timers. On average, part-time fishermen in the Atlantic region spent 8.4 weeks in other occupations. This is in sharp contrast to full-time fishermen who averaged only 2.0 weeks in other paid employment. On the Gulf coast of New Brunswick,for example, part-timers worked an average of 12 weeks in other occupations and only 9.6 weeks in actual fishing activity. The employment experience of part-timers in other areas may indicate a scarcity of alternative employment opportunities. For example, in northeast Newfoundland and Labrador as well as southeast Newfoundland, part-time fishermen spent an average of less than six weeks in other employment and on the Gulf coast of Nova Scotia,part-time fishermen averaged only slightly better than four weeks in other income-earning occupations.

Both full-time and part-time "average" fishermen collect unemployment insurance for part of the year. To qualify under the Seasonal Fishermen's UI Program, a fisherman must be self-employed and work at least 10 weeks in insurable employment, six of which must be spent fishing. Fishermen who work on large vessels rather than being self-employed, or those who work part-time at other occupations, may be eligible for benefits under the regular UI program. On average, full-time fishermen collected UI benefits for 17.4 weeks during their "off" season. Part-time fishermen collected benefits for an average of 15.2 weeks. Depending on the season and the region, UI benefits can be an extremely important income supplement. In areas where fishing activity lasts for a reasonably long period, such as southwest Nova Scotia, the average UI claim period was fairly short (7.9 weeks compared to 26.1 weeks of fishing). However, at the other extreme, full-time fishermen on the north shore of Quebec collected UI for an average of 24.5 weeks and fished an average of 12.6 weeks.

In addition to annual activity, specific information was requested of fishermen with regard to the number of vessels they worked on and the number of weeks they fished for various species. Detailed vessel information was collected on up to three vessels that a fisherman may have worked on during the year. Because some fishermen did work on more than three vessels, some losses of information resulted due to this limitation, however, these are considered minor.

VESSEL ACTIVITY

It is estimated that active fishermen worked on a total of 56,706 vessels in 1984, averaging 1.3 vessels per fishermen. Of this total, 31,550 vessels (55.6%), were household owned, while the remaining 25,156 vessels were owned by other individuals or companies. It should be noted that there were 30,780 vessels registered with DFO in 1984. The number of vessels worked on reflects the distribution of fishermen working on the various categories of vessels. Contributing to this distribution are the effects of crew-sizes and the fact that fishermen often worked on more than one vessel. The highest rate of use of more than one vessel occurred in southern Newfoundland and southwest Nova Scotia where the average fisherman worked on 1.5 vessels. The lowest reported reliance on more than one vessel was in Quebec, both on the north shore and Gaspé, with 1.1 vessels per fisherman.

Overall, fishermen worked mainly on outboards (30.7%) and tender vessels (26.6%). This ranking, however, is influenced greatly by the distribution of vessels by province. Eighty percent of all outboards used were in Newfoundland while 35% of all tenders used were in Nova Scotia. With the exception of Newfoundland, the vessel most often worked on in all provinces was the tender. The dragger was second in Nova Scotia, and 59% of all Atlantic fishermen reporting work on draggers lived in that province. In New Brunswick and Quebec, the vessel worked on most often after tenders was the trawler while in Prince Edward Island the outboard ranked second. In Newfoundland, the longliner was second to the outboard in terms of vessels most used.

Although the outboard and the tender ranked as the two vessels most used by fishermen, the average number of weeks they were used was the lowest - 12.2 for outboards and 13.0 for tenders. Overall, the vessel used for the highest number of weeks was the multi-purpose vessel at 18.1 weeks. Fishermen from Nova Scotia accounted for 83% of all fishermen using this type of vessel.

Fishermen were also asked what role they performed while on the vessel. Based on each number of weeks worked, it is estimated that 21,220 fishermen (47.4%) spent the majority of their time as skippers/operators, 23,124 (51.6%) crewed and 442 (1%) did not rely on any vessel for their fishing operations.

Prince Edward Island was the only province where the majority of fishermen (68.9%) indicated their principal role was that of a skipper/operator. In all other provinces, the majority of fishermen indicated their role was that of a crewman. This, of course, varies at different levels of disaggregation (particularly at the Task Force Area level).

For purposes of presentation, those fishermen who did not rely on any vessel were classified as crewmen.

SPECIES FISHED

By species category, groundfish accounted for 49.6% of all effort by active fishermen in 1984. Molluscs and custaceans followed at 30.6% and pelagics were fished for 15.1% of the time. An additional 4.7% of all effort was directed at other fishing operations which include, for example, raking Irish moss in Prince Edward Island and the seal hunt in Newfoundland.

In terms of both numbers of fishermen and weeks fished, groundfish species were the most sought in the Atlantic fishery. Close to 70% of all fishermen fished for groundfish at some time in 1984. Effort on groundfish accounted for almost 50% of total fishing activity. Again, there is considerable variation across the Atlantic region, with fishermen in New Brunswick devoting only 16.4% of their time to groundfish whereas those in Newfoundland devoted 67.3% of their time.

The second most sought species was lobster with 41% of all active fishermen indicating they had fished for lobster. Over 18% of total effort was directed at fishing lobster. In Prince Edward Island and New Brunswick, lobster was the top ranked species, with 31.5% and 24.5% of effort, respectively. In contrast, reflecting the availability of the species, fishermen in Newfoundland and Quebec devoted only about 11% of their time to lobster.

Fishermen fishing for groundfish averaged 14.5 weeks of activity. This ranged from a high of 19.2 weeks in Nova Scotia to a low of 8.4 weeks in New Brunswick. Lobster fishermen devoted an average of 9.9 weeks of effort to the species. There was little variation in effort, with a high of 10.8 weeks in Nova Scotia to a low of 7.1 weeks in Newfoundland. Although the majority of fishermen sought groundfish and lobster, it should be noted that effort in other fisheries exceeded that in the two top-ranked fisheries. The highest average effort was directed at the shrimp fishery with the 903 shrimp fishermen spending an average of 22.1 weeks fishing the species. Average effort for scallops was also relatively high at 13.6 weeks for the 3,234 fishermen who sought the species. Given the proximity of the scallop-rich George's Bank, it is not surprising that Nova Scotia scallop fishermen averaged 19.7 weeks of effort on the species. As usual, regional variability and availability of different species must be taken into account when assessing the level of effort associated with any given species.

FISHING INCOME

The survey collected data on components of gross fishing income and on operating cash costs associated with fishing. Current year investment costs were not estimated although debt financing costs were collected. Therefore, net fishing incomes presented here are cash revenues generated in the 1984 fishing season less the cash costs of fishing and debt repayment. Technically, they represent financial cash flows before current investment costs.

Gross fishing incomes vary widely across the Atlantic fishery, and between full-time and part-time fishermen. Full-time fishermen usually own their vessels and earn their income mainly from the sale of their catches. Part-time fishermen usually work as deck-hands on another person's vessel and earn most of their income from crew shares or wages. The average gross fishing income earned by full-time fishermen was $18,270, more than four times the average part-time fisherman's fishing income of $4,465.

Fishing expenses vary among the provinces as well, depending on the type of gear, the number of days of effort, whether they are crewmen or skippers, the size of the vessel, and so on. This survey examined cash costs which include operating expenses such as fuel, bait, ice, salt, crew shares paid out, and gear and vessel repairs. As well, fixed expenses such as insurance, union and association dues accounting fees and rental charges were included. Extraordinary losses of vessel or gear not covered by insurance were also included, as were payments of principal and interest on outstanding debt. No investment costs were estimated.

Expenses of full-time fishermen were more than eight times those of "part-timers", as most of the expenses are borne by the skippers who normally fish full-time. The average fisherman had cash costs of $5,725 for fishing in 1984 with a wide disparity between the average expenses of full-time fishermen who tend to own vessels ($8,041) and those of part-time fishermen, who tend to crew ($937).

The major expense for full-timers was labour costs. Labour costs are typically based on crew wages or crew shares, an arrangement whereby the crew receives a share of the value of the total catch. This accounted for an average of $2,551 or 32% of their total expenses. The value paid out for crews varied widely across the 13 areas. Full-time fishermen in northeast Newfoundland and Labrador and on the north shore of Quebec paid on average, $428 and $500 respectively, while those in southwest Nova Scotia and Fundy New Brunswick paid $5,447 and $6,404 respectively. Labour costs were also relatively high in Gaspé

Quebec at $3,871. The range reflects the high variability associated with fishing activity with respect to crew sizes, value of species landed and the lengths of fishing seasons across the region.

Expenditures on fuel, oil, and grease accounted for an average of 16% of the total expenses for full-timers. Fishermen in Fundy New Brunswick spent $2,308 compared with those in southeast Newfoundland who spent $735. This difference is partly due to the length of the seasons (16 weeks in southeast Newfoundland and 25 weeks in Fundy New Brunswick) but, more importantly, to the type of fishing method. While the majority of fishermen in Fundy New Brunswick used tenders or outboards for their fishing operations, similar to the smaller vessels used in southeast Newfoundland, and New Brunwsick. Draggers, seiners and multipurpose vessels were used for longer periods of time on average. In southeast Newfoundland, the outboard and longliner were the most common vessel types used.

Vessel and gear repairs accounted for an average of 14% of total expenses in 1984. This expense was again highest in Fundy New Brunswick, where full-time fishermen spent $2,594 on repairs, compared to $450 in south Newfoundland, and $565 on the north shore of Quebec.

Bait, ice, and salt expenses averaged $542 among full-time fishermen. This expense was highest in northeast Nova Scotia at $1,329 followed by southwest Nova Scotia at $1,202, and lowest in northeast Newfoundland and Labrador at $84.

Debt repayment was also included as a cash cost. Payments on principal averaged $811 for full-time fishermen, ranging from $339 in southeast Newfoundland to $2,035 in Fundy New Brunswick. Interest payments averaged $246 for all full- time fishermen.

Other expenses included provisions, vessel and gear losses, insurance, interest payments, union and association dues, accounting fees and rental charges.

Overall, fishing expenses were highest for full-time fishermen in Fundy New Brunswick, where total cash costs were $16,370 and crew shares accounted for 39% of these costs. The lowest total expenses for full-timers were in northeast Newfoundland and Labrador at $3,442. Here, fuel, oil and grease made up the largest portion of total cost at 28%.

Expenses for part-time fishermen were considerably lower. The major expenses were for fuel, oil and grease ($252) reflecting the costs incurred by the relatively small number of part-time fishermen who owned or operated a vessel in 1984. Expense was averaging $252. The Task Force area where this expense was particularly high was Gaspé Quebec, where it averaged

$1,059. The other areas averaged between $135 on the Gulf coast of Nova Scotia and $364 on the north shore of Quebec.

Vessel and gear repairs for part-timers averaged $166 for the year, again with one Task Force area, northeast Nova Scotia, showing a considerably higher average of $1,010. The other areas averaged between $37 on the north shore of Quebec and $284 on the eastern shore of Nova Scotia. Payments on principal averaged $71, with part-timers in Gaspé Quebec paying $348, the highest of the 13 areas. Provisions and crew costs paid out each accounted for approximately 12% of total expenses while other expenses such as insurance, interest, and various fees were considerably lower.

Part-timers in northeast Nova Scotia had the highest fishing expenses at $2,473, with vessel and gear repairs making up 41% of the total cost. Gaspé Quebec fishermen averaged $2,418 in fishing expenses, where fuel, oil and grease accounted for 44% of the total. Prince Edward Island part-time fishermen had the lowest expenses at $474.

Expenses vary yearly depending on fuel costs, the length of the season, the value of the catch, and the amount of damage or loss to the vessel or gear. On average, fishing expenses were lower in 1984 than they were in 1981. (See Appendix V)

Net fishing incomes are displayed in Graphs 4 and 5 for full-time and part-time fishermen by Task Force area. The average net fishing income for full-time fishermen was $10,229. Full-time fishermen in southwest Nova Scotia had the highest net fishing incomes, averaging $19,798 and the highest gross fishing incomes at $33,637, with cash costs second highest. Gulf New Brunswick had the second highest average net cash flow of $13,062. The lowest average net fishing incomes for full-time fishermen were in northeast Newfoundland and Labrador where the average was $3,701, comparable to part-time net incomes in some other areas. (This area also had the lowest average gross fishing income of the 13 areas.)

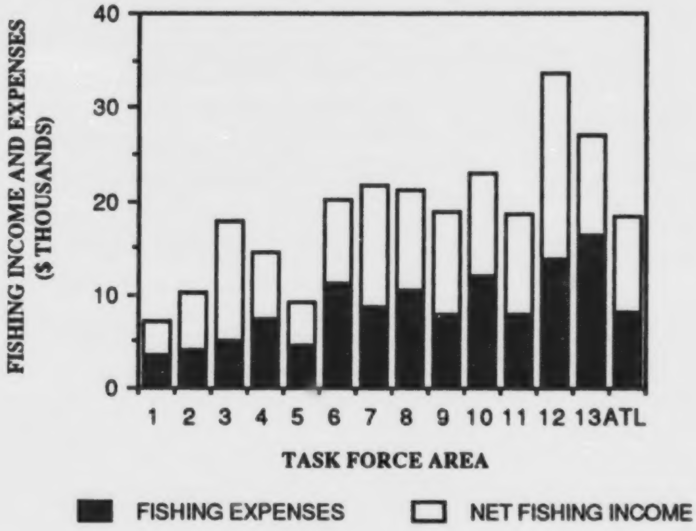
The average part-time fisherman earned $3,528 in net fishing income in 1984. The lowest incomes were in northeast Newfoundland and Labrador, averaging $1,914; the highest were in southwest Nova Scotia at $7,379, considerably above the second-highest earning area of Fundy New Brunswick, where the average was $4,936.

While all of the fishermen considered in the analysis of this survey were active, their incomes varied significantly. In northeast Newfoundland and Labrador, for example, 83% of the fishermen earned net fishing incomes of less than $5,000 compared to 70% in Gaspé Quebec, 45% in Gulf New Brunswick, 45% in P.E.I., and 26% in southwest Nova Scotia. Across the five provinces, 56% of all active fishermen earned less than $5,000.

Graph 4

FISHING INCOME AND EXPENSES

Full-Time Fishermen by Task Force Area

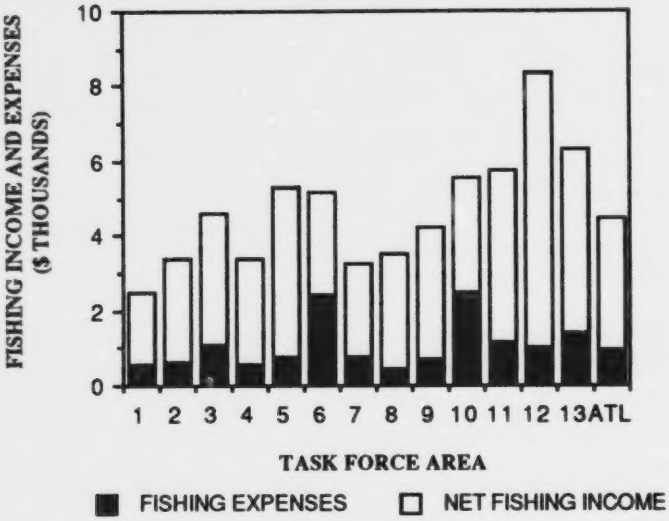


1. North East Newfoundland and Labrador
2. South East Newfoundland
3. South Coast Newfoundland
4. West Coast Newfoundland
5. North Shore Québec
6. Gaspé Québec
7. Gulf New Brunswick
8. Prince Edward Island
9. Gulf Nova Scotia
10. North East Nova Scotia
11. Eastern Shore Nova Scotia
12. South West Nova Scotia
13. Fundy New Brunswick

Graph 5

FISHING INCOME AND EXPENSES

Part-Time Fishermen by Task Force Area



1. North East Newfoundland and Labrador
2. South East Newfoundland
3. South Coast Newfoundland
4. West Coast Newfoundland
5. North Shore Québec
6. Gaspé Québec
7. Gulf New Brunswick
8. Prince Edward Island
9. Gulf Nova Scotia
10. North East Nova Scotia
11. Eastern Shore Nova Scotia
12. South West Nova Scotia
13. Fundy New Brunswick

Less than 1% of the fishermen in northeast Newfoundland and Labrador earned more than $30,000 in net fishing income, compared to 4% in Gaspé Quebec, 3% in P.E.I., 6% in Gulf New Brunswick, and 13% in southwest Nova Scotia. Overall, 4% of active Atlantic commercial fishermen had net fishing incomes of more than $30,000 in 1984.

It is interesting to note the variability in net fishing incomes among full-time and part-time fishermen: 5% of full-timers earned more than $30,000, compared to less than 1% of the part-timers; 44% of the full-timers and 81% of the part-timers earned less than $5,000 from fishing in 1984. These distributional variations are masked when averages are used to describe the industry. The large numbers of Atlantic fishermen who earned low incomes is clearer when median net fishing incomes are compared with averages.

The median income level represents the earnings of the "middle" fisherman in each sample. That is, half the fishermen surveyed earned more than this amount and half earned less. The median net fishing income for all Atlantic fishermen was $4,192. However, the small proportion who earned relatively high incomes from fishing substantially raised the average of the entire group to $8,044. For full-time fishermen, the median net fishing income was $6,100 compared to an average of $10,229. The median income for part-time fishermen was $2,000 which was also considerably lower than the average net fishing income of $3,528.

A comparison between average and median levels of income from all sources shows a smaller gap between the two measures, although in most cases the median is still below the average income from all sources. This is because the "highliners" who pulled up the average do not normally supplement their fishing income with income from other sources. However, fishermen who earned lower net fishing incomes raise their total income though other employment, UI, and various other sources, so that the "middle" fisherman now earns closer to the average total income. A table comparing average and median income levels for net fishing and income from all sources is provided at the end of this section, for all fishermen, full-time fishermen, and part-time fishermen, by province.

INCOME FROM OTHER SOURCES

Both full-time and part-time fishermen generally rely on other sources of income to supplement their livelihoods. Some other form of paid employment is common for many fishermen. Interest and investment income, unemployment insurance, pensions and other government transfers are additional sources.

Fish processing, construction and forestry provide some of the alternative employment opportunities outside of the fishery, although in some areas, especially Newfoundland, such employment is scarce. The average income from other employment was $1,625 which made up 28% of all non-fishing income and 12% of the total income from all sources for the average fisherman. It is clear, however, that this other income is more important to part-time fishermen than to full-timers. The average full-timer earned $880 from non-fishing employment which represented only 6% of their total income while the part-timer averaged nearly four times more at $3,165, or 31% of their total income. Full-time fishermen on the Gulf coast of Nova Scotia earned $1,990 in non-fishing employment, compared with their counterparts in southern Newfoundland who earned only $219 in other jobs. On the eastern shore of Nova Scotia, part-timers earned $5,605 while those in western Newfoundland averaged only $1,656 in other employment earnings.

Transfer payments such as unemployment insurance, family allowance, and social assistance are also important secondary sources of income for fishermen. The most important is income from the two unemployment insurance programs available to fishermen. Fishermen's UI provides benefits for self-employed fishermen while the regular program is available to those earning wages or to those who work a sufficient number of weeks in other insurable employment. Full-time fishermen received an average of $3,150 in Fishermen's UI benefits which represented 20% of their total income, and an average of $523 on regular UI which accounted for 3% of their total income. Part-time fishermen average $1,276 in Fishermen's UI benefits (12% of their total income) and $1,477 in regular UI benefits (14% of their total income). Total UI payments represented as much as 41% of the total income of part-time fishermen in P.E.I. and 44% for full-time fishermen in northeast Newfoundland and Labrador. Both full-time and part-time fishermen in Fundy New Brunswick and southwest Nova Scotia had the least reliance on UI as an income supplement, averaging approximately 11% of their total incomes.

On average, Atlantic fishermen earned modest incomes. Full-time fishermen earned an average of $10,229 in net fishing income and $5,416 in non-fishing income, for a total of $15,645. Part-time fishermen earned more from non-fishing sources ($6,743) than from fishing ($3,528) for an average total income of $10,272. Total income from all sources for the average fisherman was $13,893 in 1984.

Again, these averages may be misleading because, in fact, there is a wide distribution of total income levels. Seven per cent of Atlantic fishermen earned more than $30,000 in total income. However, 18% of the fishermen in southwest Nova Scotia were in this bracket, compared to less than 1% of the fishermen in northeast Newfoundland and Labrador. In contrast, 26% of the fishermen in northeast Newfoundland and Labrador earned total incomes of less than $5,000 compared to 9% in southwest Nova Scotia.

It is interesting to note that among full-time fishermen, 9% earned more than $30,000 in total income compared to 2% of part-time fishermen. However, 27% of part-timers earned less than $5,000 compared with 11% of the full-timers.

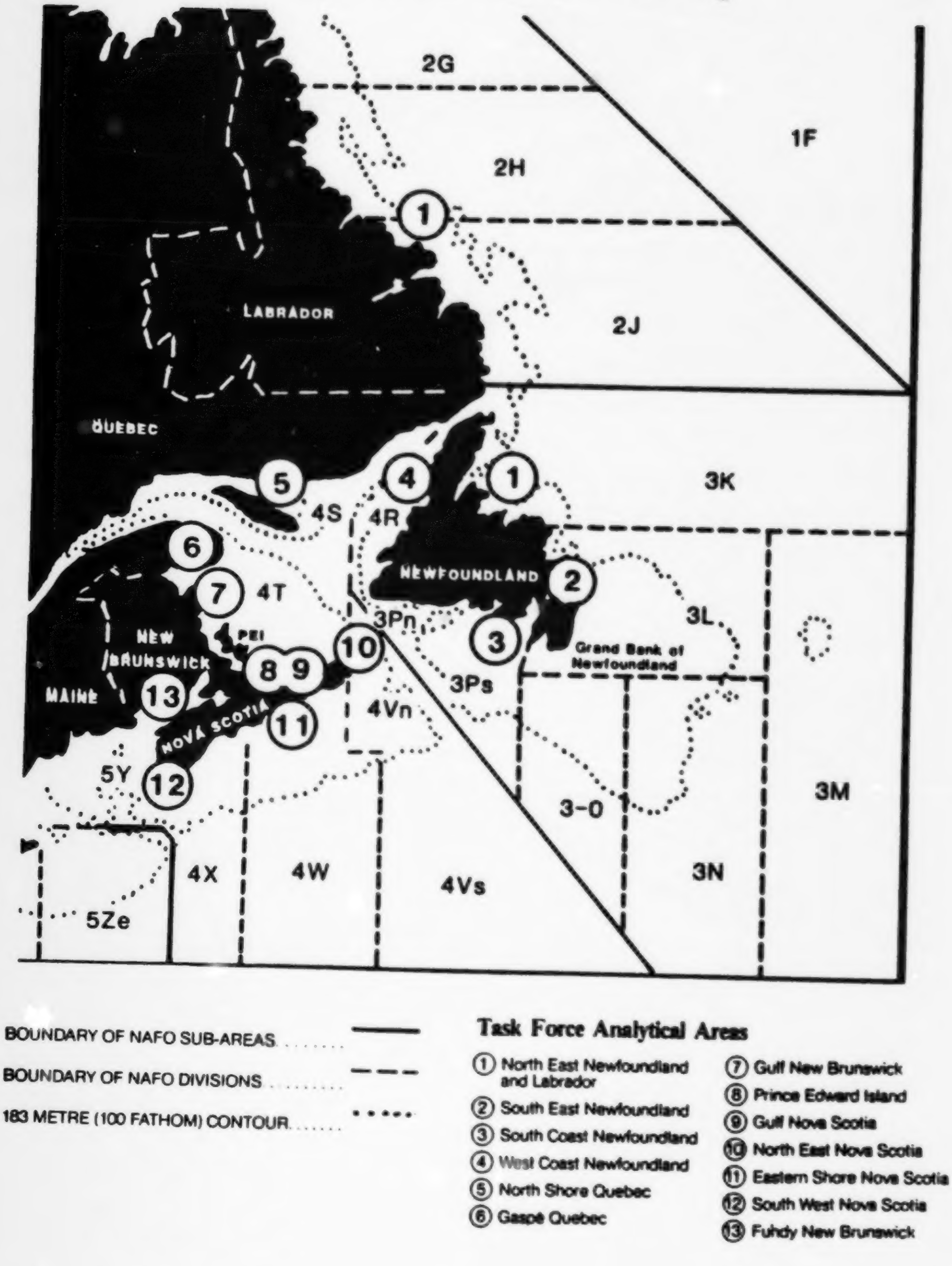
Comparison of 1984 Average and Median Incomes ($'s)

	Net Fishing Income		Income All Sources	
	Average	Median	Average	Median
Atlantic				
All	8,044	4,192	13,893	11,200
Full-time	10,229	6,100	15,645	12,600
Part-time	3,528	2,000	10,272	9,174
Newfoundland				
All	5,323	3,200	10,526	9,030
Full-time	6,798	4,414	11,728	9,933
Part-time	2,610	1,500	8,314	7,315
P.E.I.				
All	8,393	5,888	14,350	12,997
Full-time	10,743	8,774	16,424	15,002
Part-time	3,042	2,503	9,626	9,189
Nova Scotia				
All	12,936	8,240	19,459	16,300
Full-time	16,430	12,000	22,242	17,899
Part-time	5,532	2,600	13,564	11,612
New Brunswick				
All	9,635	6,241	16,181	14,017
Full-time	12,667	10,397	18,697	16,000
Part-time	3,159	1,790	10,804	11,200
Quebec				
All	5,486	2,962	11,375	10,000
Full-time	6,211	3,000	11,611	9,865
Part-time	3,503	2,952	10,731	10,974

Appendix I

TASK FORCE ANALYTICAL AREAS

The Atlantic Fishery


2G
1F
2H
1
2J
LABRADOR
QUEBEC
3K
5
4
1
4S
4R
6
NEWFOUNDLAND
2
7
4T
3Pn
3L
PEI
NEW BRUNSWICK
8
9
10
3
Grand Bank of Newfoundland
MAINE
13
NOVA SCOTIA
11
3Ps
4Vn
5Y
12
3M
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4X
4W
4Vs
3N
5Ze

BOUNDARY OF NAFO SUB-AREAS .... ———

BOUNDARY OF NAFO DIVISIONS .... — — —

183 METRE (100 FATHOM) CONTOUR .... • • • •

Task Force Analytical Areas

- ① North East Newfoundland and Labrador
- ② South East Newfoundland
- ③ South Coast Newfoundland
- ④ West Coast Newfoundland
- ⑤ North Shore Quebec
- ⑥ Gaspé Quebec
- ⑦ Gulf New Brunswick
- ⑧ Prince Edward Island
- ⑨ Gulf Nova Scotia
- ⑩ North East Nova Scotia
- ⑪ Eastern Shore Nova Scotia
- ⑫ South West Nova Scotia
- ⑬ Fundy New Brunswick

Analytical Areas: Task Force on Atlantic Fisheries

	Area	Boundaries	Adjacent NAFO Area
1.	Labrador-Northeastern Newfoundland	All Labrador and Newfoundland from Cape Bauld to Cape Freels	2,3K
2.	Southeast Newfoundland	Cape Freels to Cape St. Mary's	3LNO
3.	South Coast Newfoundland	Cape St. Mary's to Boar Island	3Ps
4.	West Coast Newfoundland	Boar Island to Cape Bauld	3Pn,4R
5.	North Shore Quebec	West from the Newfoundland-Quebec border	4S
6.	Gaspé Quebec	Gaspé Peninsula and Magdalen Islands	4T
7.	Gulf New Brunswick	Quebec-New Brunswick border to New Brunswick-Nova Scotia border	4T
8.	Prince Edward Island	Prince Edward Island	4T
9.	Gulf Nova Scotia	New Brunswick-Nova Scotia border to Cape North	4T
10.	Northeastern Nova Scotia	Cape North to the boundary of NAFO areas 4Vn and 4W	4Vn
11.	Eastern Shore Nova Scotia	Boundary of NAFO areas 4Vn and 4W to Sambro Island	4VsW
12.	Southwest Nova Scotia	Sambro Island to the Nova Scotia-New Brunswick border on Cumberland Basin	4X,5
13.	Fundy New Brunswick	Bay of Fundy coast of New Brunswick	4X,5

The term "adjacent NAFO area" refers to the breakdown of the waters off Canada's east coast used by the Northwest Atlantic Fisheries Organization. The areas described above and the NAFO areas are displayed on the map opposite.

APPENDIX II

METHODOLOGY

POPULATION AND SAMPLE FRAME

The target population for the survey was all persons who held a personal commercial fishing licence in 1984 for the Atlantic region. Each of the Atlantic regional offices provided a computer tape containing information on licence holders in their jurisdiction. These computer files formed the survey universe from which the sample was selected.

STRATIFICATION

The survey population was stratified by the 13 Task Force Areas (TFA's) determined by the Task Force on Atlantic Fisheries. The computerized information provided by the regional offices was used in conjunction with lists of community codes to form the TFA's for Newfoundland, Quebec, Prince Edward Island and parts of New Brunswick and Nova Scotia. For the remaining parts of New Brunswick and Nova Scotia, comprising Scotia-Fundy region, statistical district codes supplied on that region's tape were used in lieu of community codes for determining the correct boundaries for the TFA's in that region.

SAMPLE SIZE AND SAMPLE SELECTION

Based on the results of the 1981 Survey of Atlantic Fishermen, the sample size in each TFA was determined on the basis of providing a coefficient of variation of 10% on average total income. The sample size was adjusted for an expected response rate of 80%. In Quebec, where no information was available from the 1981 survey, sampling was based on results obtained for Gulf New Brunswick and West Newfoundland for, Quebec Gaspe and Quebec North Shore, respectively. The resultant sample of licence holders for the survey was 2,085.

Within each TFA, clusters of fishermen were created. Clusters were formed to include approximately 100 commercial fishing licence holders. In cases where a cluster was composed of more than one community, an effort was made to choose communities close to one another in order to minimize travel for interviewing.

Furthermore, it was decided to select a sample of approximately 20 licence holders in any selected cluster. Thus, based on the sample size determined for each TFA and the sample of 20 fishermen within a cluster, the number of clusters to be selected within each TFA was determined. Clusters were then systematically selected within each TFA. The final stage of sampling was the systematic selection of the required number of licence holders within a selected cluster.

After completion of individual selection, the names of fishermen were compared against those selected in the regional costs and earnings surveys. Any fishermen found to have been selected in the regional surveys were dropped from the sample to reduce respondent burden. The sample of fishermen for the Atlantic region was reduced to 2,029 due to duplication.

FIELD PROCEDURES AND RESPONSE RATES

Where possible, fishermen were contacted and appointments were made for personal interviews. For those without phones, or those more difficult to locate due to limited address information, interviewers obtained the assistance of DFO personnel and local residents. As much as possible, every effort was made to ensure that the interview could be arranged at a time convenient for the fisherman. This procedure resulted in a very low number of refusals and also minimized the number of prospective respondents who could not be located. In remote areas where interviewers were not available or where costs for interviewing would have been prohibitive, questionnaires were mailed to prospective respondents. In those cases where a telephone number was available, the prospective respondent was contacted prior to being sent the questionnaire.

In terms of response, the survey was extremely successful. A total of 1,847 (91%) questionnaires were completed for use in the analysis. There were 15 refusals, 128 non-contacts and 39 cases where the respondent could not be interviewed for various reasons (health, out of province, deceased, etc.).

ESTIMATION PROCEDURES

The information obtained from the survey was weighted in order to provide population estimates. The initial weighting procedure was based on the sampling procedures used for the survey, as follows:

Let N_i be the population of fishermen in TFA i

N_{ij} be the population of fishermen in selected cluster j in TFA i

n_{ij} be the final sample obtained in cluster j of TFA i

M_i be the total number of clusters in TFA i

m_i be the number of clusters selected in the sample in TFA i

f_{kj} be the observation for the k-th selected fisherman in the j-th selected cluster

$P(f_{kj})$ be the probability of a fisherman in cluster j is selected in the sample

$i=1,2,\ldots,13$
$j=1,2,\ldots,m_i$

The basic weight, W_{ij}, associated with each sample record in cluster j in TFA i is simply equal to the inverse of the probability of selection of a fisherman in cluster j. Algebraically, we have:

$$W_{ij} = 1 / P(f_{kj})$$

where:

$$P(f_{kj}) = m_i * n_{ij} / M_i * N_{ij}$$

Therefore,

$$W_{ij} = M_i * N_{ij} / m_i * n_{ij}$$

After initial weighting was completed, the weights were adjusted to known population totals. The purpose of adjusting the weights is to ensure that the sum of the weights in various categories equals the totals from official sources such as the Department's records of the number of commercial licence holders in the Atlantic region for 1984. These adjustments were performed first at the TFA level and then at the provincial level. A subsequent adjustment was made in Newfoundland to the numbers of full-time and part-time fishermen as documented in the Atlantic Fishing Licence Directory.

RELIABILITY OF THE ESTIMATES

Sampling errors result from the fact that only a small portion of the population under study has been selected in order to provide the required estimates, and had another sample been selected, different estimates may have been obtained. These errors are a function of the sample size, the survey design and estimation procedures used to calculate the final estimates. The variability due to sampling error can be estimated from the variability in the sample obtained. The coefficient of variation is one measure of the precision of the results. The coefficient of variation is a measure of the percentage accounted for by the standard error of the sample as a function of the estimated mean, or more simply expressed, it is the standard error divided by the mean and expressed in percentage terms. Because the exact sampling variation of our estimates can not be calculated since the survey was processed using SPSS, we must use the measures of standard error produced by the SPSS system. These are calculated as if the sample was based strictly on a simple random sample. It does not take into account the increased precision realized by stratification as in our sample nor the increased variation which may result from clustering the sample. It should, therefore, be considered only as an approximate measure. To produce coefficients of variation for all estimates in our survey would not be feasible, consequently, we have limited it to our original sampling criterion to serve as a general guide to the overall reliability of the estimates.

Since our original sample sizes were based on providing a coefficient of variation of 10% at one standard deviation on total income at the Task Force Area level, coefficients of variation have been calculated on this variable to provide a general guide to the reliability of the estimates produced from the survey. Table II A provides the coefficient of variation a one standard deviation for this variable at the Atlantic, regional, provincial and TFA levels for full-time, part-time and all fishermen. In addition, the sample size associated with each level is provided. Based on our estimates of the coefficient of variation, it would appear that we surpassed our original objective of providing a coefficient of variation of 10% at the Task Force Area level for all fishermen in the area except in the three areas of Gaspe Quebec, Gulf Nova Scotia and Fundy New Brunswick. Even in these areas, however, the coefficients of variation are not considered to be elevated enough to warrant concern. It should be noted that, as with any survey, the reliability of the estimates decreases as the level of disaggregation increases. The measures provided in Table 11 A, therefore, are meant to serve only as a guide. Depending upon the level at which one may wish to analyze the data, caution is advised if the degree of disaggregation is high or the number of observations on any given variable within a table is obviously limited. For most estimates, the reliability is reasonably good, however, for others, while they have been provided for completeness in the tables, they should be used with caution if they are critical to conclusions one may wish to draw.

Table II A: Coefficients of Variation (in percent) of Total Income at Different Levels of Aggregation and the Sample Sizes Associated with Each Level

Level of Aggregation	Total Income (CV)			Sample Sizes		
	All Fishermen	Full-time	Part-time	All Fishermen	Full-time	Part-time
Atlantic	2.6	3.2	3.9	1 433	949	484
Region						
Newfoundland	3.7	4.2	6.7	365	238	127
Quebec	7.5	8.7	12.6	174	124	50
Gulf	4.4	5.2	6.3	399	267	132
Scotia-Fundy	4.5	5.4	6.2	495	320	175
Province						
Newfoundland	3.3	3.9	6.0	450	285	165
Quebec	7.5	8.7	12.6	174	124	50
New Brunswick	5.6	6.1	11.4	204	135	69
Prince Edward Island	6.2	6.9	9.3	99	65	34
Nova Scotia	4.5	5.5	5.9	506	340	166
Task Force Area						
N.E. Nfld and Lab.	5.4	6.2	10.1	170	113	57
Southeast Newfoundland	6.5	8.4	9.8	112	66	46
South Newfoundland	6.7	6.8	16.6	83	59	24
West Newfoundland	7.9	9.3	13.4	85	47	38
North Shore Quebec	8.7	9.8	16.7	106	83	23
Gaspé Quebec	13.7	16.9	19.0	68	41	27
Gulf New Brunswick	6.3	7.3	8.6	142	99	43
Prince Edward Island	6.2	6.9	9.3	99	65	34
Gulf Nova Scotia	14.2	15.9	25.9	73	56	17
Northeast Nova Scotia	9.7	10.6	16.6	56	27	29
Eastern Shore N.S.	7.8	10.1	11.9	79	39	40
Southwest Nova Scotia	5.7	6.7	7.5	298	218	80
Fundy New Brunswick	11.4	10.3	26.1	62	36	26

Appendix III

TABLES BY ACTIVITY CATEGORY

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.1: Profile of the Atlantic commercial fishery by activity category, by Task Force Area

	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Licensed fishermen														
Full-time	4 400	3 406	2 763	2 888	3 322	2 133	3 584	2 150	1 786	596	947	5 080	700	33 755
Part-time	5 563	4 104	1 882	2 612	948	1 804	1 741	1 252	613	817	1 112	2 302	647	25 397
Total*	9 963	7 510	4 645	5 500	4 270	3 937	5 325	3 402	2 399	1 413	2 059	7 382	1 347	59 152
Active fishermen														
Full-time	4 073	3 053	2 564	2 593	2 435	1 666	3 278	2 141	1 561	575	811	4 781	659	30 190
Part-time	2 026	2 200	980	1 472	664	835	1 344	940	556	527	826	1 740	498	14 608
Total	6 099	5 253	3 544	4 065	3 099	2 501	4 622	3 081	2 117	1 102	1 637	6 521	1 157	44 798
% active fishermen														
Full-time	93 %	90 %	93 %	90 %	73 %	78 %	91 %	99 %	87 %	96 %	86 %	94 %	94 %	89 %
Part-time	36 %	54 %	52 %	56 %	70 %	46 %	77 %	75 %	91 %	65 %	74 %	76 %	77 %	58 %
Total	61 %	70 %	76 %	74 %	73 %	64 %	87 %	91 %	88 %	78 %	80 %	88 %	86 %	76 %

* Distribution based on information from the Atlantic Fishing Licence Directory, 1985

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.2: Age range distribution of all licensed fishermen, by Task Force Area

Age (years)	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
14 - 24	1 869 19 %	760 10 %	702 15 %	1 353 25 %	702 16 %	427 11 %	568 11 %	530 16 %	502 21 %	357 25 %	139 7 %	1 090 15 %	201 15 %	9 200 16 %
25 - 34	2 440 24 %	1 444 19 %	1 038 22 %	1 326 24 %	1 269 30 %	1 193 30 %	1 879 35 %	996 29 %	708 30 %	298 21 %	462 22 %	2 061 28 %	235 17 %	15 349 26 %
35 - 44	2 595 26 %	1 783 24 %	1 176 25%	1 911 35 %	1 234 29 %	862 22 %	1 270 24 %	865 25 %	539 22 %	320 23 %	583 28 %	1 662 23 %	294 22 %	15 094 26 %
45 - 54	1 446 15 %	1 758 23 %	756 16 %	377 7 %	585 14 %	964 24 %	765 14 %	525 15 %	151 6 %	272 19 %	463 22 %	1 167 16 %	315 23 %	9 544 16 %
55 - 64	876 9 %	1 229 16 %	676 15 %	310 6 %	183 4 %	284 7 %	654 12 %	360 11 %	150 6 %	119 8 %	288 14 %	914 12 %	261 19 %	6 304 11 %
65 and over	737 7 %	536 7 %	287 6 %	223 4 %	297 7 %	207 5 %	189 4 %	126 4 %	349 15 %	47 3 %	124 6 %	488 7 %	41 3 %	3 661 6 %
Total	9 963	7 510	4 645	5 500	4 270	3 937	5 325	3 402	2 399	1 413	2 059	7 382	1 347	59 152

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.3: Profile of the Atlantic commercial fishery by activity category, by Region

	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Licensed fishermen					
Full-time	10 569	7 323	10 408	5 455	33 755
Part-time	11 549	4 878	6 218	2 752	25 397
Total*	22 118	12 201	16 626	8 207	59 152
Active fishermen					
Full-time	9 690	6 826	9 573	4 101	30 190
Part-time	5 206	3 591	4 312	1 499	14 608
Total	14 896	10 417	13 885	5 600	44 798
% active fishermen					
Full-time	92 %	93 %	92 %	75 %	89 %
Part-time	45 %	74 %	69 %	54 %	58 %
Total	67 %	85 %	84 %	68 %	76 %

* Distribution based on information from the Atlantic Fishing Licence Directory, 1985

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.4: Age range distribution of all licensed fishermen, by Region

Age (years)	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
14 - 24	3 331 15 %	1 787 15 %	2 953 18 %	1 129 14 %	9 200 16 %
25 - 34	4 922 22 %	3 056 25 %	4 909 30 %	2 462 30 %	15 349 26 %
35 - 44	5 554 25 %	2 859 23 %	4 685 28 %	2 096 26 %	15 094 26 %
45 - 54	3 960 18 %	2 217 18 %	1 818 11 %	1 549 19 %	9 544 16 %
55 - 64	2 781 13 %	1 582 13 %	1 474 9 %	467 6 %	6 304 11 %
65 and over	1 570 7 %	700 6 %	887 5 %	504 6 %	3 661 6 %
Total	22 118	12 201	16 626	8 207	59 152

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.5: Profile of the Atlantic commercial fishery by activity category, by Province

	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Licensed fishermen						
Full-time	8 409	4 284	2 150	5 455	13 457	33 755
Part-time	4 844	2 388	1 252	2 752	14 161	25 397
Total*	13 253	6 672	3 402	8 207	27 618	59 152
Active fishermen						
Full-time	7 728	3 937	2 141	4 101	12 283	30 190
Part-time	3 649	1 842	940	1 499	6 678	14 608
Total	11 377	5 779	3 081	5 600	18 961	44 798
% active fishermen						
Full-time	92 %	92 %	99 %	75 %	91 %	89 %
Part-time	75 %	77 %	75 %	54 %	47 %	58 %
Total	86 %	87 %	91 %	68 %	69 %	76 %

* Source: Atlantic Fishing Licence Directory, 1985

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.6: Age range distribution of all licensed fishermen, by Province

Age (years)	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
14 - 24	2 088 16 %	769 12 %	530 16 %	1 129 14 %	4 684 17 %	9 200 16 %
25 - 34	3 529 27 %	2 114 32 %	996 29 %	2 462 30 %	6 248 23 %	15 349 25 %
35 - 44	3 104 23 %	1 564 23 %	865 25 %	2 096 26 %	7 465 27 %	15 094 26 %
45 - 54	2 053 15 %	1 080 16 %	525 15 %	1 549 19 %	4 337 16 %	9 544 16 %
55 - 64	1 471 11 %	915 14 %	360 11 %	467 6 %	3 091 11 %	6 304 10 %
65 and over	1 008 8 %	230 3 %	126 4 %	504 6 %	1 793 7 %	3 661 6%
Total	13 253	6 672	3 402	8 207	27 618	59 152

1984 SURVEY OF ATLANTIC FISHERMEN

Table 2.1: Household information, all active fishermen, by Task Force Area

	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Number of households	4 534	4 415	3 053	2 867	2 876	2 133	3 994	2 297	1 678	877	1 430	5 818	947	36 919
Number of household members	17 975	18 216	12 564	12 646	10 071	7 085	14 855	7 996	6 759	3 526	4 868	20 200	3 157	139 918
Average number of members per household	4.0	4.1	4.1	4.4	3.5	3.3	3.7	3.5	4.0	4.0	3.4	3.5	3.3	3.8
Number of active fishermen	6 099	5 253	3 544	4 065	3 099	2 501	4 622	3 081	2 117	1 102	1 637	6 521	1 157	44 798
% of household members	33.9%	28.8%	28.2%	32.1%	30.8%	35.3%	31.1%	38.5%	31.3%	31.3%	33.6%	32.3%	36.6%	32.0%
Average number of active fishermen per household	1.3	1.2	1.2	1.4	1.1	1.2	1.2	1.3	1.3	1.3	1.1	1.1	1.2	1.2
Number of plant workers	1 738	1 902	580	1 288	635	387	1 800	425	198	156	239	1 762	253	11 363
% of household members	9.7%	10.4%	4.6%	10.2%	6.3%	5.5%	12.1%	5.3%	2.9%	4.4%	4.9%	8.7%	8.0%	8.1%

1984 SURVEY OF ATLANTIC FISHERMEN

Table 2.2: Household information, all active fishermen, by Region

	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Number of households	12 002	9 072	10 835	5 010	36 919
Number of household members	48 755	31 751	42 256	17 156	139 918
Average number of members per household	4.1	3.5	3.9	3.4	3.8
Number of active fishermen	14 896	10 417	13 885	5 600	44 798
% of household members	30.6%	32.8%	32.9%	32.6%	32.0%
Average number of active fishermen per household	1.2	1.1	1.3	1.1	1.2
Number of plant workers	4 220	2 410	3 711	1 022	11 363
% of household members	8.7%	7.6%	8.8%	6.0%	8.1%

1984 SURVEY OF ATLANTIC FISHERMEN

Table 2.3: Household information, all active fishermen, by Province

	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Number of households	9 803	4 941	2 297	5 009	14 869	36 919
Number of household members	35 353	18 012	7 996	17 156	61 401	139 918
Average number of members per household	3.6	3.6	3.5	3.4	4.1	3.8
Number of active fishermen	11 377	5 779	3 081	5 600	18 961	44 798
% of household members	32.2%	32.1%	38.5%	32.6%	30.9%	32.0%
Average number of active fishermen per household	1.2	1.2	1.3	1.1	1.3	1.2
Number of plant workers	2 355	2 053	425	1 022	5 508	11 363
% of household members	6.7%	11.4%	5.3%	6.0%	9.0%	8.1%

1984 SURVEY OF ATLANTIC FISHERMEN

Table 3.1: Vessel information, all active fishermen, by Task Force Area

	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Number of vessels* worked on that were:														
- household owned	6 124	3 838	2 119	3 261	1 618	1 540	2 413	2 571	1 179	705	1 060	4 058	1 064	31 550
- owned by others	1 241	2 650	3 174	2 012	1 667	1 115	2 980	1 031	1 330	631	945	5 789	591	25 156
Total number of vessels	7 365	6 488	5 293	5 273	3 285	2 655	5 393	3 602	2 509	1 336	2 005	9 847	1 655	56 706
Average number of vessels used	1.2	1.2	1.5	1.3	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.5	1.4	1.3
Number of fishermen whose primary role** was that of a skipper on the vessels worked	3 460	2 445	1 458	1 574	1 319	1 329	1 858	2 101	923	563	802	2 789	599	21 220
Number of fishermen whose primary role** was that of a crewman on the vessels worked	2 639	2 808	2 086	2 491	1 780	1 172	2 764	817	1 194	511	818	3 519	537	23 136
Number of fishermen who did not use a vessel	0	0	0	0	0	0	0	163	0	28	17	213	21	442

* Based on the total number of vessels fishermen reported working on during the year

** Based on the number of weeks the fisherman acted as a skipper or crewman on the three vessels worked on for the most time during the year

1984 SURVEY OF ATLANTIC FISHERMEN

Table 3.2: Vessel information, all active fishermen, by Region

	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Number of vessels* worked on that were:					
- household owned	12 081	6 887	9 424	3 158	31 550
- owned by others	7 065	7 956	7 353	2 782	25 156
Total number of vessels	19 146	14 843	16 777	5 940	56 706
Average number of vessels used	1.3	1.4	1.2	1.1	1.3
Number of fishermen whose primary role** was that of a skipper on the vessels worked	7 363	4 753	6 456	2 648	21 220
Number of fishermen whose primary role** was that of crewman on the vessels worked	7 533	5 385	7 266	2 952	23 136
Number of fishermen who did not use a vessel	0	279	163	0	442

* Based on the total number of vessels fishermen reported working on during the year

** Based on the number of weeks the fisherman acted as a skipper or crewman on the three vessels worked on for the most time during the year

1984 SURVEY OF ATLANTIC FISHERMEN

Table 3.3: Vessel information, all active fishermen, by Province

	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Number of vessels worked on that were:						
- household owned	7 002	3 477	2 571	3 158	15 342	31 550
- owned by others	8 695	3 571	1 031	2 782	9 077	25 156
Total number of vessels	15 697	7 048	3 602	5 940	24 419	56 706
Average number of vessels used	1.4	1.2	1.2	1.1	1.3	1.3
Number of fishermen whose primary role** was that of a skipper on the vessels worked	5 077	2 457	2 101	2 648	8 937	21 220
Number of fishermen whose primary role** was that of a crewman on the vessels worked	6 042	3 301	817	2 952	10 024	23 136
Number of fishermen who did not use a vessel	258	21	163	0	0	442

* Based on the total number of vessels fishermen reported working on during the year

** Based on the number of weeks the fishermen acted as a skipper or crewman on the three vessels worked on for the most time during the year

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.1: Weeks spent by activity (average)*, all active fishermen, by Task Force Area

Activity	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fishing	14.1	14.6	24.4	15.8	12.6	14.3	13.5	17.0	15.9	19.6	20.5	26.1	19.0	17.5
Preparation	6.3	5.9	4.3	5.7	3.9	6.3	5.8	5.2	4.7	9.9	8.2	5.8	5.5	5.7
Other fishing related activity	0.4	0.6	0.2	0.9	0.3	0.3	0.8	0.6	0.4	0.9	1.0	0.4	0.3	0.5
Fish processing	0.5	1.0	1.0	1.1	0.3	0.7	0.2	0.0	0.7	2.4	0.8	1.1	0.4	0.7
Other occupations	3.1	2.8	2.6	2.6	3.4	5.7	4.6	3.8	4.2	7.7	8.3	4.9	7.1	4.1
Collecting U.I. benefits	20.7	20.2	12.5	16.0	24.5	17.3	21.6	21.2	13.4	12.4	13.6	7.9	6.3	16.7
Other activities	1.7	6.1	7.5	8.2	2.0	8.1	3.9	2.3	6.4	4.6	2.3	4.3	7.9	4.8

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.2: Weeks spent by activity (average)*, active full-time fishermen, by Task Force Area

Activity	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fishing	15.3	17.2	28.0	18.5	12.8	15.5	15.1	20.2	18.7	22.7	26.5	28.9	22.5	19.9
Preparation	7.6	7.3	4.2	7.2	4.3	8.0	6.9	6.7	5.9	13.9	10.8	7.0	7.2	6.9
Other fishing related activity	0.5	0.6	0.3	1.0	0.3	0.4	0.7	0.7	0.6	0.1	1.0	0.4	0.2	0.5
Fish processing	0.1	1.0	0.2	0.3	0.2	0.9	0.3	0.0	0.8	1.3	<0.1	0.4	0.1	0.4
Other occupations	2.0	0.7	0.5	1.3	2.1	3.0	1.6	2.3	4.1	2.2	2.2	2.8	2.3	2.0
Collecting U.I. benefits	22.9	21.1	11.8	16.4	25.0	19.4	22.3	20.5	12.8	14.3	17.0	8.1	6.5	17.4
Other activities	1.8	4.1	7.1	8.2	1.9	6.6	3.4	1.0	4.6	2.4	1.8	2.9	7.5	3.9

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.3: Weeks spent by activity (average)*, active part-time fishermen, by Task Force Area

Activity	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fishing	11.5	11.0	15.1	11.1	11.8	12.0	9.6	9.8	8.2	16.3	14.7	18.5	14.3	12.5
Preparation	3.6	4.1	4.3	3.2	2.6	2.9	2.9	1.7	1.2	5.6	5.6	2.7	3.1	3.4
Other fishing related activity	0.3	0.5	0.1	0.8	0.2	0.2	0.8	0.4	0.0	1.8	1.0	0.4	0.5	0.5
Fish processing	1.3	0.9	3.2	2.6	0.7	0.3	0.0	0.0	0.6	3.6	1.5	2.8	0.9	1.4
Other occupations	5.3	5.7	8.3	5.0	8.5	11.1	12.0	7.0	4.3	13.8	14.3	10.5	13.3	8.4
Collecting U.I. benefits	16.2	19.1	14.2	15.2	22.7	13.0	19.6	22.6	14.8	10.3	10.4	7.3	6.0	15.2
Other activities	1.4	8.7	8.6	8.3	2.1	11.2	5.0	5.3	11.4	7.0	2.7	8.3	8.3	6.6

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* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.4: Weeks spent by activity (average)*, all active fishermen, by Region

Activity	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fishing	16.7	23.7	15.3	13.4	17.5
Preparation	5.7	6.6	5.5	5.0	5.7
Other fishing related activity	0.4	0.5	0.7	0.3	0.5
Fish processing	0.8	1.1	0.5	0.5	0.7
Other occupations	2.9	6.0	3.8	4.4	4.1
Collecting U.I. benefits	18.6	9.1	18.6	21.3	16.7
Other activities	4.6	4.4	5.2	4.7	4.8

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.5: Weeks spent by activity (average)*, active full-time fishermen, by Region

Activity	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fishing	19.3	27.4	17.8	13.9	19.9
Preparation	6.6	8.1	6.8	5.8	6.9
Other fishing related activity	0.5	0.4	0.8	0.3	0.5
Fish processing	0.4	0.4	0.3	0.5	0.4
Other occupations	1.2	2.7	2.1	2.4	2.0
Collecting U.I. benefits	19.4	9.5	18.8	22.7	17.4
Other activities	4.0	3.1	4.3	3.8	3.9

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.6: Weeks spent by activity (average)*, active part-time fishermen, by Region

Activity	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fishing	12.0	16.7	10.0	11.9	12.5
Preparation	4.0	3.9	2.5	2.8	3.4
Other fishing related activity	0.3	0.8	0.6	0.2	0.5
Fish processing	1.5	2.4	1.0	0.5	1.4
Other occupations	6.0	12.2	7.6	9.9	8.4
Collecting U.I. benefits	17.0	8.3	18.2	17.3	15.2
Other activities	5.8	6.8	7.0	7.2	6.6

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.7: Weeks spent by activity (average)*, all active fishermen, by Province

Activity	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fishing	22.8	14.6	17.0	13.4	16.5	17.5
Preparation	6.4	5.7	5.2	5.0	5.7	5.7
Other fishing related activity	0.5	0.7	0.6	0.3	0.5	0.5
Fish processing	1.1	0.2	0.0	0.5	0.8	0.7
Other occupations	5.5	5.1	3.8	4.4	2.8	4.1
Collecting U.I. benefits	10.2	18.5	21.2	21.3	18.0	16.7
Other activities	4.4	4.7	2.3	4.7	5.4	4.8

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.8: Weeks spent by activity (average)*, active full-time fishermen, by Province

Activity	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fishing	26.1	16.4	20.2	13.9	19.1	19.9
Preparation	7.7	7.0	6.7	5.8	6.7	6.9
Other fishing related activity	0.5	0.6	0.7	0.3	0.6	0.5
Fish processing	0.5	0.2	0.0	0.5	0.4	0.4
Other occupations	3.0	1.7	2.3	2.4	1.2	2.0
Collecting U.I. benefits	10.5	19.7	20.5	22.7	18.8	17.4
Other activities	3.1	4.1	1.0	3.8	4.9	3.9

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.9: Weeks spent by activity (average)*, active part-time fishermen, by Province

Activity	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fishing	15.7	10.9	9.8	11.9	11.8	12.5
Preparation	3.5	3.0	1.7	2.8	3.8	3.4
Other fishing related activity	0.7	0.7	0.4	0.2	0.4	0.5
Fish processing	2.3	0.3	0.0	0.5	1.7	1.4
Other occupations	10.9	12.4	7.0	9.9	5.8	8.4
Collecting U.I. benefits	9.6	16.0	22.6	17.3	16.6	15.2
Other activities	7.3	5.9	5.3	7.2	6.4	6.6

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 5.1: Factors affecting fishing activity, all active fishermen, by Task Force Area

Factor	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Weather conditions	4 317	3 338	2 274	3 275	1 859	1 528	3 122	2 590	1 367	951	1 013	5 130	866	31 630
Availability of fish	3 827	4 062	1 638	1 727	999	1 572	2 001	1 421	655	816	710	2 931	682	23 041
Area closures	361	365	1 176	238	281	215	1 489	251	344	98	240	1 565	303	6 926
Plant closures	108	503	1 077	202	455	273	177	99	0	108	127	292	30	3 451
Plant not buying fish	758	868	619	1 085	327	278	582	310	278	319	160	349	98	6 031
Other employment	353	219	122	212	313	355	12	92	131	64	134	635	71	2 713
Unemployment insurance rules	230	227	94	86	29	140	34	0	19	21	0	141	0	1 021
Gear or boat repairs	1 176	1 559	767	1 531	711	441	1 253	375	571	433	426	1 801	415	11 459
Quotas	154	1 169	579	298	566	282	1 569	243	605	24	114	564	113	6 280
Poor prices	96	1 056	473	604	699	846	753	896	271	352	159	836	299	7 340

1984 SURVEY OF ATLANTIC FISHERMEN

Table 5.2: Factors affecting fishing activity, all active fishermen, by Region

Factor	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Weather conditions	9 929	7 960	10 354	3 387	31 630
Availability of fish	9 527	5 139	5 804	2 571	23 041
Area closures	1 902	2 206	2 322	496	6 926
Plant closures	1 688	557	478	728	3 451
Plant not buying fish	2 245	926	2 255	605	6 031
Other employment	694	904	447	668	2 713
Unemployment insurance rules	551	162	139	169	1 021
Gear or boat repairs	3 502	3 075	3 730	1 152	11 459
Quotas	1 902	815	2 715	848	6 280
Poor prices	1 625	1 646	2 524	1 545	7 340

1984 SURVEY OF ATLANTIC FISHERMEN

Table 5.3: Factors affecting fishing activity, all active fishermen, by Province

Factor	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Weather conditions	8 461	3 988	2 590	3 387	13 204	31 630
Availability of fish	5 112	2 683	1 421	2 571	11 254	23 041
Area closures	2 247	1 792	251	496	2 140	6 926
Plant closures	527	207	99	728	1 890	3 451
Plant not buying fish	1 106	680	310	605	3 330	6 031
Other employment	964	83	92	668	906	2 713
Unemployment insurance rules	181	34	0	169	637	1 021
Gear or boat repairs	3 231	1 668	375	1 152	5 033	11 459
Quotas	1 307	1 682	243	848	2 200	6 280
Poor prices	1 618	1 052	896	1 545	2 229	7 340

1984 SURVEY OF ATLANTIC FISHERMEN

Table 6.1: Average fishing expenses (in dollars), all active fishermen, by Task Force Area

Expenditure Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Operating costs														
Fuel, oil, grease	716	492	641	805	707	1 684	948	1 455	969	1 210	860	1 314	1 378	954
Bait, ice, salt	67	127	382	168	159	559	326	659	473	773	354	896	501	388
Provisions	151	345	336	398	279	352	359	119	110	173	131	341	228	278
Crew shares	286	683	1 537	1 540	406	2 578	1 748	2 226	2 184	1 716	832	4 063	3 872	1 753
Other operating costs	37	16	15	120	79	212	56	98	1	242	76	116	72	77
Other fishing costs	89	97	91	202	372	189	556	452	100	253	146	368	154	248
Vessel and gear repairs	449	398	396	709	452	1 422	946	1 170	837	1 296	580	1 260	1 539	808
Vessel and gear losses	183	42	73	421	283	171	166	242	237	608	369	343	343	235
Fixed costs														
Insurance	61	122	54	79	94	195	302	163	91	217	181	251	295	154
Union and association dues, accounting fees, rentals, non-fishing licence fees	51	116	104	106	32	107	108	62	49	37	40	163	157	94
Debt repayment														
Payments on gear and vessel	337	201	367	419	733	679	521	559	719	755	710	967	1 274	569
Interest payments	67	70	54	24	204	157	372	170	175	191	170	331	114	167
Total cash costs*	2 494	2 709	4 051	4 991	3 801	8 304	6 409	7 375	5 943	7 470	4 450	10 412	9 926	5 725

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 6.2: Average fishing expenses (in dollars), active full-time fishermen, by Task Force Area

Expenditure Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Operating costs														
Fuel, oil, grease	979	735	800	1 173	801	1 997	1 229	2 029	1 265	2 039	1 434	1 721	2 308	1 293
Bait, ice, salt	84	208	502	244	178	618	448	930	636	1 329	562	1 202	864	542
Provisions	204	476	411	518	295	374	461	165	144	277	187	446	352	357
Crew shares	428	1 116	2 055	2 377	517	3 871	2 450	3 204	2 887	3 037	633	5 447	6 404	2 551
Other operating costs	49	23	21	181	91	319	79	102	1	415	112	158	112	105
Other fishing costs	122	153	110	307	473	261	772	600	135	415	270	445	253	345
Vessel and gear repairs	610	620	450	1 075	565	2 075	1 252	1 664	1 086	1 558	881	1 659	2 594	1 118
Vessel and gear losses	246	39	89	651	355	214	233	345	312	1 073	542	453	557	326
Fixed costs														
Insurance	87	206	74	124	120	290	409	230	121	342	340	336	453	221
Union and association dues, accounting fees, rentals, non-fishing licence fees	60	158	123	148	40	155	147	88	66	59	51	218	248	127
Debt repayment														
Payments on gear and vessel	476	339	484	649	927	845	713	805	908	1 200	1 432	1 307	2 035	811
Interest payments	98	121	73	37	260	236	525	244	237	307	344	448	190	246
Total cash costs*	3 442	4 194	5 190	7 484	4 622	11 256	8 718	10 406	7 799	12 052	7 787	13 839	16 370	8 041

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 6.3: Average fishing expenses (in dollars), active part-time fishermen, by Task Force Area

Expenditure Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Operating costs														
Fuel, oil, grease	187	155	226	156	364	1 059	262	148	135	305	297	198	147	252
Bait, ice, salt	34	15	69	34	88	441	31	40	17	167	150	53	22	72
Provisions	45	163	138	187	221	307	113	16	13	59	75	51	64	113
Crew shares	0	82	184	66	0	0	35	0	208	275	45	260	523	104
Other operating costs	13	7	2	14	36	0	0	88	0	55	41	3	18	17
Other fishing costs	25	21	41	18	0	43	29	117	0	76	24	154	23	47
Vessel and gear repairs	125	90	256	64	37	120	200	44	136	1 010	284	165	143	166
Vessel and gear losses	56	46	32	16	18	84	<1	7	24	101	200	40	61	47
Fixed costs														
Insurance	8	4	0	0	0	6	42	10	7	80	26	19	87	16
Union and association dues, accounting fees, rentals, non-fishing licence fees	32	57	57	31	3	11	13	5	0	13	30	11	36	27
Debt repayment														
Payments on gear and vessel	59	8	61	14	25	348	54	0	187	269	0	32	266	71
Interest payments	4	0	4	0	0	0	0	0	0	64	0	8	12	5
Total cash costs*	587	648	1 070	601	791	2 418	778	474	727	2 473	1 171	993	1 401	937

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 6.4: Average fishing expenses (in dollars), all active fishermen, by Region

Expenditure Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Operating costs					
Fuel, oil, grease	619	1 239	1 022	1 143	954
Bait, ice, salt	163	754	376	337	388
Provisions	263	277	279	312	278
Crew shares	724	3 286	1 860	1 376	1 753
Other operating costs	25	118	76	139	77
Other fishing costs	93	297	360	290	248
Vessel and gear repairs	419	1 188	910	885	808
Vessel and gear losses	107	375	268	233	235
Fixed costs					
Insurance	81	242	174	139	154
Union and association dues, accounting fees, rentals, non-fishing licence fees	86	129	88	65	94
Debt repayment					
Payments on gear and vessel	296	938	530	709	569
Interest payments	65	267	195	183	167
Total cash costs*	2 940	9 110	6 137	5 813	5 725

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 6.5: Average fishing expenses (in dollars), active full-time fishermen, by Region

Expenditure Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Operating costs					
Fuel, oil, grease	855	1 770	1 399	1 287	1 293
Bait, ice, salt	234	1 104	531	357	542
Provisions	345	392	358	327	357
Crew shares	1 075	4 883	2 670	1 879	2 551
Other operating costs	33	169	99	183	105
Other fishing costs	128	403	504	387	345
Vessel and gear repairs	571	1 648	1 269	1 178	1 118
Vessel and gear losses	139	526	384	298	326
Fixed costs					
Insurance	121	348	245	189	221
Union and association dues, accounting fees, rentals, non-fishing licence fees	107	187	121	87	124
Debt repayment					
Payments on gear and vessel	435	1 383	748	894	811
Interest payments	98	399	283	250	246
Total cash costs*	4 141	13 214	8 611	7 317	8 041

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 6.6: Average fishing expenses (in dollars), active part-time fishermen, by Region

Expenditure Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Operating costs					
Fuel, oil, grease	181	229	185	751	252
Bait, ice, salt	33	87	32	285	72
Provisions	112	59	104	269	113
Crew shares	69	249	60	0	104
Other operating costs	8	21	24	16	17
Other fishing costs	26	95	41	24	47
Vessel and gear repairs	135	313	111	83	166
Vessel and gear losses	47	89	10	54	47
Fixed costs					
Insurance	5	39	16	3	16
Union and association dues, accounting fees, rentals, non-fishing licence fees	47	19	16	7	27
Debt repayment					
Payments on gear and vessel	38	92	46	205	71
Interest payments	2	15	0	0	5
Total cash costs*	704	1 308	644	1 698	937

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 6.7: Average fishing expenses (in dollars), all active fishermen, by Province

Expenditure Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Operating costs						
Fuel, oil, grease	1 175	1 034	1 455	1 143	659	954
Bait, ice, salt	727	361	659	337	164	388
Provisions	251	333	119	312	292	278
Crew shares	3 021	2 173	2 226	1 376	899	1 753
Other operating costs	101	59	98	139	45	77
Other fishing costs	275	475	452	290	116	248
Vessel and gear repairs	1 087	1 065	1 170	885	481	808
Vessel and gear losses	352	201	242	233	174	235
Fixed costs						
Insurance	208	301	163	139	80	154
Union and association dues, accounting fees, rentals, non-fishing licence fees	112	118	62	65	90	94
Debt repayment						
Payments on gear and vessel	863	672	559	709	322	569
Interest payments	265	320	170	183	56	167
Total cash costs*	8 438	7 113	7 375	5 813	3 378	5 725

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 6.8: Average fishing expenses (in dollars), active full-time fishermen, by Province

Expenditure Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Operating costs						
Fuel, oil, grease	1 622	1 410	2 029	1 287	922	1 293
Bait, ice, salt	1 030	517	930	357	236	542
Provisions	345	443	165	327	381	357
Crew shares	4 350	3 112	3 204	1 879	1 350	2 551
Other operating costs	140	85	102	183	65	105
Other fishing costs	362	685	600	387	166	345
Vessel and gear repairs	1 454	1 477	1 664	1 178	677	1 118
Vessel and gear losses	480	287	345	298	247	326
Fixed costs						
Insurance	293	416	230	189	122	221
Union and association dues, accounting fees, rentals, non-fishing licence fees	158	164	88	87	116	127
Debt repayment						
Payments on gear and vessel	1 232	934	805	894	480	811
Interest payments	384	469	244	250	86	246
Total cash costs*	11 851	9 999	10 406	7 317	4 847	8 041

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 6.9: Average fishing expenses (in dollars), active part-time fishermen, by Province

Expenditure Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Operating costs						
Fuel, oil, grease	226	231	148	751	175	252
Bait, ice, salt	86	28	40	285	33	72
Provisions	52	99	16	269	129	113
Crew shares	206	167	0	0	69	104
Other operating costs	18	5	88	16	9	17
Other fishing costs	90	27	117	24	24	47
Vessel and gear repairs	310	184	44	83	119	166
Vessel and gear losses	83	17	7	54	40	47
Fixed costs						
Insurance	28	54	10	3	4	16
Union and association dues, accounting fees, rentals, non-fishing licence fees	14	19	5	7	44	27
Debt repayment						
Payments on gear and vessel	83	111	0	205	33	71
Interest payments	13	3	0	0	2	5
Total cash costs*	1 207	947	474	1 698	681	937

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 7.1: Average fishing income (in dollars), all active fishermen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish sales (gross)	4 477	5 258	8 904	8 025	5 359	12 137	9 011	14 598	12 919	11 073	7 255	18 482	15 897	9 890
Crew shares and wages	1 055	2 079	5 178	2 308	2 894	2 909	7 351	1 000	2 082	3 506	4 882	8 358	2 246	3 834
Sealing	5	4	<1	76	1	0	0	0	0	0	0	0	1	8
Rebates	4	1	3	5	10	7	24	38	4	5	24	8	0	10
Other fishing income	61	7	0	0	4	0	13	133	9	0	3	48	0	27
Gross fishing income*	5 601	7 349	14 085	10 414	8 267	15 053	16 400	15 768	15 015	14 584	12 164	26 896	18 143	13 769

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 7.2: Average fishing income (in dollars), active full-time fishermen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish sales (gross)	5 974	7 462	11 391	11 644	6 358	18 074	12 286	20 300	16 781	18 520	12 389	24 118	24 422	13 718
Crew shares and wages	1 067	2 711	6 324	2 649	2 710	1 943	9 441	701	2 056	4 356	6 236	9 447	2 646	4 494
Sealing	4	7	<1	119	0	0	0	0	0	0	0	0	0	12
Rebates	6	2	3	8	13	11	34	50	6	10	48	8	0	14
Other fishing income	91	12	0	0	0	0	19	97	12	0	6	64	0	33
Gross fishing income*	7 143	10 193	17 718	14 420	9 081	20 028	21 781	21 149	18 856	22 886	18 679	33 637	27 069	18 270

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 7.3: Average fishing income (in dollars), active part-time fishermen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish sales (gross)	1 465	2 199	2 396	1 651	1 692	299	1 025	1 613	2 067	2 952	2 210	2 995	4 620	1 978
Crew shares and wages	1 029	1 201	2 177	1 707	3 570	4 835	2 252	1 680	2 154	2 580	3 552	5 364	1 715	2 469
Sealing	7	0	0	0	3	0	0	0	0	0	0	0	1	1
Rebates	0	0	3	0	0	0	1	9	0	0	1	7	0	2
Other fishing income	0	0	0	0	19	0	0	213	0	0	0	6	0	15
Gross fishing income*	2 501	3 401	4 576	3 359	5 284	5 134	3 278	3 516	4 221	5 532	5 762	8 372	6 337	4 465

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 7.4: Average fishing income (in dollars), all active fishermen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish sales (gross)	5 805	15 647	10 558	8 386	9 890
Crew shares and wages	2 397	6 619	3 662	2 901	3 834
Sealing	4	0	22	<1	8
Rebates	3	9	19	9	10
Other fishing income	27	31	35	2	27
Gross fishing income*	8 236	22 307	14 296	11 298	13 769

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 7.5: Average fishing income (in dollars), active full-time fishermen by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish sales (gross)	7 876	22 282	14 638	11 117	13 718
Crew shares and wages	2 976	7 980	4 442	2 398	4 494
Sealing	4	0	32	0	12
Rebates	4	12	26	12	14
Other fishing income	42	45	30	0	33
Gross fishing income*	10 902	30 320	19 168	13 528	18 270

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 7.6: Average fishing income (in dollars), active part-time fishermen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish sales (gross)	1 950	3 034	1 501	916	1 978
Crew shares and wages	1 318	4 032	1 929	4 275	2 469
Sealing	3	<1	0	1	1
Rebates	1	3	2	0	2
Other fishing income	0	3	46	8	15
Gross fishing income*	3 272	7 073	3 479	5 201	4 465

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 7.7: Average fishing income (in dollars), all active fishermen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish sales (gross)	15 114	10 390	14 598	8 386	6 281	9 890
Crew shares and wages	6 220	6 328	1 000	2 901	2 378	3 834
Sealing	0	<1	0	<1	19	8
Rebates	9	19	38	9	3	10
Other fishing income	30	11	133	2	22	27
Gross fishing income*	21 373	16 749	15 768	11 298	8 703	13 769

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 7.8: Average fishing income (in dollars), active full-time fishermen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish sales (gross)	20 988	14 318	20 300	11 117	8 671	13 718
Crew shares and wages	7 238	8 304	701	2 398	2 907	4 494
Sealing	0	0	0	0	29	12
Rebates	12	28	50	12	5	14
Other fishing income	43	16	97	0	33	33
Gross fishing income*	28 281	22 666	21 149	13 528	11 645	18 270

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 7.9: Average fishing income (in dollars), active part-time fishermen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish sales (gross)	2 670	1 997	1 613	916	1 884	1 978
Crew shares and wages	4 063	2 107	1 680	4 275	1 404	2 469
Sealing	0	<1	0	1	2	1
Rebates	3	1	9	0	1	2
Other fishing income	3	0	213	8	0	15
Gross fishing income*	6 739	4 105	3 516	5 201	3 291	4 465

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 8.1: Average income from other sources (in dollars), all active fishermen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish processing	131	285	422	310	75	218	204	0	157	712	228	378	97	242
Forestry	483	20	0	0	11	357	6	0	0	0	101	18	516	109
Construction	134	31	197	92	117	34	143	261	676	175	626	309	324	201
Other paid employment	647	1 106	426	392	1 458	1 015	1 214	753	1 118	2 358	2 243	1 492	1 593	1 073
Total non-fishing employment income*	1 395	1 442	1 046	794	1 662	1 625	1 567	1 014	1 951	3 245	3 198	2 197	2 530	1 625
Rental property and board	4	0	41	0	0	0	0	8	0	0	0	12	0	6
Investment income and interest	42	23	2	26	301	5	194	95	180	23	326	278	52	121
Regular unemployment insurance	428	1 047	943	507	1 853	512	1 257	1 294	1 040	650	930	288	643	835
Fishermen's unemployment insurance	3 065	2 917	1 802	2 584	1 915	2 636	3 252	3 262	1 695	2 188	1 939	2 329	750	2 539
Family allowance	203	111	263	70	161	6	102	152	69	179	320	51	12	128
Social assistance	20	22	54	28	421	300	106	18	0	0	3	38	259	82
Pensions	150	638	165	146	39	134	212	29	578	571	659	372	220	281
Other income	17	91	265	0	19	76	278	86	127	0	19	972	397	233
Total non-fishing income*	5 324	6 292	4 581	4 155	6 370	5 294	6 967	5 957	5 640	6 856	7 394	6 536	4 862	5 849

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 8.2: Average income from other sources (in dollars), active full-time fishermen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish processing	14	223	22	80	60	296	287	0	196	379	13	170	11	130
Forestry	632	30	0	0	14	186	0	0	0	0	187	18	169	111
Construction	152	14	197	20	149	52	32	0	485	187	4	375	20	147
Other paid employment	355	421	0	205	931	401	553	529	1 308	796	542	451	880	491
Total non-fishing employment income*	1 153	689	219	305	1 154	935	872	529	1 990	1 362	747	1 015	1 081	880
Rental property and board	6	0	0	0	0	0	0	12	0	0	0	16	0	4
Investment income and interest	9	37	0	17	376	7	273	70	129	10	130	221	91	119
Regular unemployment insurance	253	278	713	224	1 677	513	586	793	848	105	549	182	396	523
Fishermen's unemployment insurance	3 839	4 011	2 201	3 274	1 849	2 879	4 181	4 042	1 806	3 689	3 161	2 764	1 078	3 150
Family allowance	132	52	276	17	155	9	77	117	36	140	418	53	6	102
Social assistance	20	24	47	44	529	233	0	0	0	0	0	23	346	80
Pensions	163	429	182	228	21	148	155	42	654	825	766	269	386	251
Other income	26	26	323	0	25	115	350	76	172	0	38	1 288	338	307
Total non-fishing income*	5 602	5 546	3 961	4 109	5 785	4 837	6 495	5 681	5 634	6 130	5 809	5 831	3 723	5 416

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 8.3: Average income from other sources (in dollars), active part-time fishermen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish processing	368	372	1 469	715	131	64	0	0	48	1 075	438	950	211	473
Forestry	184	6	0	0	0	699	21	0	0	0	17	18	974	105
Construction	99	55	198	219	0	0	414	855	1 211	163	1 236	128	727	312
Other paid employment	1 233	2 056	1 542	721	3 393	2 239	2 826	1 261	584	4 061	3 914	4 351	2 536	2 275
Total non-fishing employment income*	1 883	2 488	3 209	1 656	3 524	3 002	3 262	2 117	1 843	5 299	5 605	5 448	4 448	3 165
Rental property and board	0	0	147	0	0	0	0	0	0	0	0	0	0	10
Investment income and interest	107	3	6	41	23	0	0	152	325	38	518	434	0	125
Regular unemployment insurance	780	2 114	1 545	1 006	2 500	509	2 894	2 432	1 580	1 244	1 304	577	968	1 477
Fishermen's unemployment insurance	1 508	1 399	759	1 370	2 158	2 152	987	1 486	1 382	552	739	1 132	315	1 276
Family allowance	347	195	231	164	183	0	163	232	163	221	225	47	19	181
Social assistance	18	18	73	0	22	435	365	58	0	0	6	78	144	88
Pensions	122	929	121	0	105	107	348	0	363	293	554	653	0	341
Other income	0	181	113	0	0	0	100	108	0	0	0	101	475	79
Total non-fishing income*	4 765	7 327	6 204	4 237	8 515	6 205	8 119	6 585	5 657	7 647	8 952	8 471	6 369	6 743

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 8.4: Average income from other sources (in dollars), all active fishermen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish processing	255	359	183	139	242
Forestry	205	85	2	166	109
Construction	113	346	236	80	201
Other paid employment	756	1 713	856	1 260	1 073
Total non-fishing employment income*	1 329	2 502	1 277	1 645	1 625
Rental property and board	11	7	2	0	6
Investment income and interest	26	233	121	168	121
Regular unemployment insurance	769	466	1 013	1 254	835
Fishermen's unemployment insurance	2 712	2 077	2 821	2 237	2 539
Family allowance	185	103	99	92	128
Social assistance	29	53	47	367	82
Pensions	326	421	208	81	281
Other income	102	655	131	45	233
Total non-fishing income*	5 488	6 519	5 717	5 890	5 849

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 8.5: Average income from other sources (in dollars), active full-time fishermen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish processing	82	154	152	156	130
Forestry	275	51	0	84	111
Construction	121	281	96	110	147
Other paid employment	282	533	577	716	491
Total non-fishing employment income*	760	1 018	824	1 065	880
Rental property and board	2	11	3	0	4
Investment income and interest	15	180	135	226	119
Regular unemployment insurance	382	240	577	1 204	523
Fishermen's unemployment insurance	3 460	2 726	3 517	2 267	3 150
Family allowance	145	99	63	96	102
Social assistance	29	49	12	409	80
Pensions	252	386	231	72	251
Other income	105	940	165	61	307
Total non-fishing income*	5 150	5 650	5 526	5 400	5 416

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 8.6: Average income from other sources (in dollars), active part-time fishermen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish processing	577	748	250	94	473
Forestry	74	148	7	389	105
Construction	99	471	546	0	312
Other paid employment	1 639	3 956	1 477	2 750	2 275
Total non-fishing employment income*	2 388	5 323	2 281	3 233	3 165
Rental property and board	28	0	0	0	10
Investment income and interest	44	335	89	10	125
Regular unemployment insurance	1 488	897	1 979	1 391	1 477
Fishermen's unemployment insurance	1 321	843	1 277	2 155	1 276
Family allowance	261	110	178	81	181
Social assistance	29	59	126	252	88
Pensions	463	487	155	106	341
Other income	98	115	55	0	79
Total non-fishing income*	6 119	8 169	6 141	7 228	6 743

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 8.7: Average income from other sources (in dollars), all active fishermen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish processing	348	182	0	139	267	242
Forestry	25	108	0	166	161	109
Construction	410	179	261	80	109	201
Other paid employment	1 614	1 290	753	1 260	678	1 073
Total non-fishing employment income*	2 397	1 760	1 014	1 645	1 214	1 625
Rental property and board	7	0	8	0	9	6
Investment income and interest	242	165	95	168	26	121
Regular unemployment insurance	555	1 134	1 294	1 254	713	835
Fishermen's unemployment insurance	2 141	2 751	3 262	2 237	2 685	2 539
Family allowance	106	84	152	92	161	128
Social assistance	22	137	18	367	28	82
Pensions	471	213	29	81	287	281
Other income	583	301	86	45	280	233
Total non-fishing income*	6 524	6 546	5 957	5 890	5 203	5 849

* Totals any not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 8.8: Average income from other sources (in dollars), active full-time fishermen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish processing	175	241	0	156	82	130
Forestry	31	28	0	84	217	111
Construction	344	30	0	110	99	147
Other paid employment	660	608	529	716	266	491
Total non-fishing employment income*	1 209	907	529	1 065	664	880
Rental property and board	10	0	12	0	2	4
Investment income and interest	177	243	70	226	16	119
Regular unemployment insurance	349	554	793	1 204	349	523
Fishermen's unemployment insurance	2 681	3 661	4 042	2 267	3 421	3 150
Family allowance	94	65	117	96	118	102
Social assistance	14	58	0	409	32	80
Pensions	441	194	42	72	247	251
Other income	836	348	76	61	83	307
Total non-fishing income*	5 811	6 031	5 681	5 400	4 930	5 416

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 8.9: Average income from other sources (in dollars), active part-time fishermen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish processing	715	57	0	94	607	473
Forestry	12	279	0	389	58	105
Construction	549	498	855	0	126	312
Other paid employment	3 637	2 748	1 261	2 750	1 436	2 275
Total non-fishing employment income*	4 913	3 582	2 117	3 233	2 227	3 165
Rental property and board	0	0	0	0	22	10
Investment income and interest	379	0	152	10	43	125
Regular unemployment insurance	991	2 373	2 432	1 391	1 381	1 477
Fishermen's unemployment insurance	997	805	1 486	2 155	1 332	1 276
Family allowance	130	124	232	81	239	181
Social assistance	39	305	58	252	22	88
Pensions	535	254	0	106	361	341
Other income	48	202	108	0	76	79
Total non-fishing income*	8 032	7 646	6 585	7 228	5 704	6 743

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 9.1: Income summary (in dollars), all active fishermen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Gross fishing revenue	5 601	7 349	14 085	10 414	8 267	15 053	16 400	15 768	15 015	14 584	12 164	26 896	18 143	13 769
Total fishing costs	2 494	2 709	4 051	4 991	3 801	8 304	6 409	7 375	5 943	7 470	4 450	10 412	9 926	5 725
Net fishing income*	3 108	4 640	10 034	5 423	4 466	6 749	9 991	8 393	9 072	7 114	7 714	16 484	8 217	8 044
Non-fishing employment income	1 395	1 442	1 046	794	1 662	1 625	1 567	1 014	1 951	3 245	3 198	2 197	2 530	1 625
Transfer payments (excluding U.I.)	373	772	483	244	620	441	420	199	647	749	983	461	491	491
Regular U.I.	428	1 047	943	507	1 853	512	1 257	1 294	1 040	650	930	288	643	835
Fishermen's U.I.	3 065	2 917	1 802	2 584	1 915	2 636	3 252	3 262	1 695	2 188	1 939	2 329	750	2 539
Other income	63	114	307	26	320	81	471	189	307	23	345	1 261	449	360
Total non-fishing income*	5 324	6 292	4 581	4 155	6 370	5 294	6 967	5 957	5 640	6 856	7 394	6 536	4 862	5 849
Total income from all sources*	8 431	10 932	14 615	9 578	10 836	12 043	16 958	14 350	14 712	13 970	15 108	23 020	13 079	13 893
Net fishing as % of total income	37 %	42 %	69 %	57 %	41 %	56 %	59 %	58 %	62 %	51 %	51 %	72 %	63 %	58 %
U.I. as % of total income	41 %	36 %	19 %	32 %	35 %	26 %	27 %	32 %	19 %	20 %	19 %	11 %	11 %	24 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 9.2: Income summary (in dollars), active full-time fishermen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Gross fishing revenue	7 143	10 193	17 718	14 420	9 081	20 028	21 781	21 149	18 856	22 886	18 679	33 637	27 069	18 270
Total fishing costs	3 442	4 194	5 190	7 484	4 622	11 256	8 718	10 406	7 799	12 052	7 787	13 839	16 370	8 041
Net fishing income*	3 701	5 999	12 528	6 936	4 458	8 772	13 062	10 743	11 057	10 834	10 892	19 798	10 698	10 229
Non-fishing employment income	1 153	689	219	305	1 154	935	872	529	1 990	1 362	747	1 015	1 081	880
Transfer payments (excluding U.I.)	316	505	505	289	705	389	233	159	689	965	1 184	345	738	433
Regular U.I.	253	278	713	224	1 677	513	586	793	848	105	549	182	396	523
Fishermen's U.I.	3 839	4 011	2 201	3 274	1 849	2 879	4 181	4 042	1 806	3 689	3 161	2 764	1 078	3 150
Other income	41	63	323	17	401	122	623	158	301	10	168	1 526	429	430
Total non-fishing income*	5 602	5 546	3 961	4 109	5 785	4 837	6 495	5 681	5 634	6 130	5 809	5 831	3 723	5 416
Total income from all sources*	9 303	11 545	16 489	11 045	10 244	13 609	19 557	16 424	16 691	16 964	16 701	25 629	14 421	15 645
Net fishing as % of total income	40 %	52 %	76 %	63 %	44 %	64 %	67 %	65 %	66 %	64 %	65 %	77 %	74 %	65 %
U.I. as % of total income	44 %	37 %	18 %	32 %	34 %	25 %	24 %	29 %	16 %	22 %	22 %	11 %	10 %	23 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 9.3: Income summary (in dollars), active part-time fishermen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Gross fishing revenue	2 501	3 401	4 576	3 359	5 284	5 134	3 278	3 516	4 221	5 532	5 762	8 372	6 337	4 465
Total fishing costs	587	648	1 070	601	791	2 418	778	474	727	2 473	1 173	993	1 401	937
Net fishing income*	1 914	2 753	3 507	2 758	4 494	2 716	2 500	3 042	3 494	3 058	4 558	7 379	4 936	3 528
Non-fishing employment income	1 883	2 488	3 209	1 656	3 524	3 002	3 262	2 117	1 843	5 299	5 605	5 448	4 448	3 165
Transfer payments (excluding U.I.)	487	1 142	425	164	311	543	876	289	527	514	785	779	163	610
Regular U.I.	780	2 114	1 545	1 006	2 500	509	2 894	2 432	1 580	1 244	1 304	577	968	1 477
Fishermen's U.I.	1 508	1 399	759	1 370	2 158	2 152	987	1 486	1 382	552	739	1 132	315	1 276
Other income	107	184	266	41	23	0	100	260	325	38	518	535	475	215
Total non-fishing income*	4 765	7 327	6 204	4 237	8 515	6 205	8 119	6 585	5 657	7 647	8 952	8 471	6 369	6 743
Total income from all sources*	6 678	10 080	9 711	6 995	13 009	8 921	10 618	9 626	9 151	10 705	13 543	15 850	11 305	10 272
Net fishing as % of total income	29 %	27 %	36 %	39 %	35 %	30 %	24 %	32 %	38 %	29 %	34 %	47 %	44 %	34 %
U.I. as % of total income	34 %	35 %	24 %	34 %	36 %	30 %	37 %	41 %	32 %	17 %	15 %	11 %	11 %	27 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 9.4: Income summary (in dollars), all active fishermen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Gross fishing revenue	8 236	22 307	14 296	11 298	13 769
Total fishing costs	2 940	9 110	6 137	5 813	5 725
Net fishing income*	5 296	13 197	8 159	5 486	8 044
Non-fishing employment income	1 329	2 502	1 277	1 645	1 625
Transfer payments (excluding U.I.)	540	577	354	540	491
Regular U.I.	769	466	1 013	1 254	835
Fishermen's U.I.	2 712	2 077	2 821	2 237	2 539
Other income	139	896	253	213	360
Total non-fishing income*	5 488	6 519	5 717	5 890	5 849
Total income from all sources*	10 784	19 715	13 876	11 375	13 893
Net fishing as % of total income	49 %	67 %	59 %	48 %	58 %
U.I. as % of total income	32 %	13 %	28 %	31 %	24 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 9.5: Income summary (in dollars), active full-time fishermen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Gross fishing revenue	10 902	30 320	19 168	13 528	18 270
Total fishing costs	4 141	13 214	8 611	7 317	8 041
Net fishing income*	6 761	17 106	10 557	6 211	10 229
Non-fishing employment income	760	1 018	824	1 065	880
Transfer payments (excluding U.I.)	425	535	306	577	433
Regular U.I.	382	240	577	1 204	523
Fishermen's U.I.	3 460	2 726	3 517	2 267	3 150
Other income	123	1 131	302	287	430
Total non-fishing income*	5 150	5 650	5 526	5 400	5 416
Total income from all sources*	11 911	22 756	16 083	11 611	15 645
Net fishing as % of total income	57 %	75 %	66 %	53 %	65 %
U.I. as % of total income	32 %	13 %	25 %	30 %	23 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 9.6: Income summary (in dollars), active part-time fishermen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Gross fishing revenue	3 272	7 073	3 479	5 201	4 465
Total fishing costs	704	1 308	645	1 698	937
Net fishing income*	2 568	5 765	2 834	3 503	3 528
Non-fishing employment income	2 388	5 323	2 281	3 233	3 165
Transfer payments (excluding U.I.)	752	656	460	440	610
Regular U.I.	1 488	897	1 979	1 391	1 477
Fishermen's U.I.	1 321	843	1 277	2 155	1 276
Other income	170	450	144	10	215
Total non-fishing income*	6 119	8 169	6 141	7 228	6 743
Total income from all sources*	8 687	13 934	8 976	10 731	10 272
Net fishing as % of total income	30 %	41 %	32 %	33 %	34 %
U.I. as % of total income	32 %	12 %	36 %	33 %	27 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 9.7: Income summary (in dollars), all active fishermen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Gross fishing revenue	21 373	16 749	15 768	11 298	8 703	13 769
Total fishing costs	8 438	7 113	7 375	5 813	3 380	5 725
Net fishing income*	12 936	9 635	8 393	5 486	5 323	8 044
Non-fishing employment income	2 397	1 760	1 014	1 645	1 214	1 625
Transfer payments (excluding U.I.)	598	434	199	540	476	491
Regular U.I.	555	1 134	1 294	1 254	713	835
Fishermen's U.I.	2 141	2 751	3 262	2 237	2 686	2 539
Other income	832	467	189	213	115	360
Total non-fishing income*	6 524	6 546	5 957	5 890	5 203	5 849
Total income from all sources*	19 459	16 181	14 350	11 375	10 526	13 893
Net fishing as % of total income	66 %	60 %	58 %	48 %	51 %	58 %
U.I. as % of total income	14 %	24 %	32 %	31 %	32 %	24 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 9.8: Income summary (in dollars), active full-time fishermen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Gross fishing revenue	28 281	22 666	21 149	13 528	11 645	18 270
Total fishing costs	11 851	9 999	10 406	7 317	4 847	8 041
Net fishing income*	16 430	12 667	10 743	6 211	6 798	10 229
Non-fishing employment income	1 209	907	529	1 065	664	880
Transfer payments (excluding U.I.)	549	317	159	577	396	433
Regular U.I.	349	554	793	1 204	349	523
Fishermen's U.I.	2 681	3 661	4 042	2 267	3 421	3 150
Other income	1 023	591	158	287	100	430
Total non-fishing income*	5 811	6 031	5 681	5 400	4 930	5 416
Total income from all sources*	22 242	18 697	16 424	11 611	11 728	15 645
Net fishing as % of total income	74 %	68 %	65 %	53 %	58 %	65 %
U.I. as % of total income	14 %	23 %	29 %	30 %	32 %	23 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 9.9: Income summary (in dollars), active part-time fishermen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Gross fishing revenue	6 739	4 105	3 516	5 201	3 291	4 465
Total fishing costs	1 207	946	474	1 698	681	937
Net fishing income*	5 532	3 159	3 042	3 503	2 610	3 528
Non-fishing employment income	4 913	3 582	2 117	3 233	2 227	3 165
Transfer payments (excluding U.I.)	704	683	289	440	622	610
Regular U.I.	991	2 373	2 432	1 391	1 381	1 477
Fishermen's U.I.	997	805	1 486	2 155	1 332	1 276
Other income	428	202	260	10	141	215
Total non-fishing income*	8 032	7 646	6 585	7 228	5 704	6 743
Total income from all sources*	13 564	10 804	9 626	10 731	8 314	10 272
Net fishing as % of total income	41 %	29 %	32 %	33 %	31 %	34 %
U.I. as % of total income	15 %	29 %	41 %	33 %	33 %	27 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 10.1: Ranges of net fishing income, all active fishermen, by Task Force Area

Income Range	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Less than $1	177	209	52	425	345	376	568	57	144	64	149	327	124	3 017
$1 - $5,000	4 894	3 365	1 363	2 223	2 179	1 082	1 496	1 319	1 060	569	691	1 381	513	22 135
$5,001 - $10,000	880	1 086	823	840	276	458	696	861	431	167	342	1 078	225	8 163
$10,001 - $15,000	97	439	228	205	36	415	886	366	125	146	229	966	80	4 218
$15,001 - $20,000	34	35	483	164	69	40	436	142	176	118	33	1 087	60	2 877
$20,001 - $25,000	0	69	258	104	110	0	35	164	57	0	70	532	30	1 429
$25,001 - $30,000	0	0	221	104	36	40	223	90	19	0	58	332	65	1 188
$30,001 - $35,000	0	25	116	0	24	0	125	58	0	0	50	250	45	693
$35,001 - $40,000	17	0	0	0	0	29	34	24	0	24	0	114	15	257
$40,001 - $45,000	0	0	0	0	12	0	0	0	19	14	0	151	0	196
$45,001 - $50,000	0	0	0	0	0	0	44	0	0	0	15	61	0	120
More than $50,000	0	25	0	0	12	61	79	0	86	0	0	242	0	505

1984 SURVEY OF ATLANTIC FISHERMEN

Table 10.2: Ranges of net fishing income, active full-time fishermen, by Task Force Area

Income Range	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Less than $1	137	81	0	244	280	235	203	25	144	14	40	192	0	1 595
$1 - $5,000	3 010	1 578	636	1 271	1 649	609	685	508	543	151	196	565	255	11 656
$5,001 - $10,000	812	857	679	519	276	297	617	790	411	132	223	779	189	6 581
$10,001 - $15,000	63	408	228	187	36	355	831	366	125	146	175	776	60	3 756
$15,001 - $20,000	34	35	483	164	69	40	402	116	176	94	17	921	30	2 581
$20,001 - $25,000	0	69	258	104	41	0	35	164	57	0	70	496	15	1 309
$25,001 - $30,000	0	0	164	104	36	40	223	90	19	0	58	280	65	1 079
$30,001 - $35,000	0	0	116	0	24	0	125	58	0	0	17	204	30	574
$35,001 - $40,000	17	0	0	0	0	29	34	24	0	24	0	114	15	257
$40,001 - $45,000	0	0	0	0	12	0	0	0	0	14	0	151	0	177
$45,001 - $50,000	0	0	0	0	0	0	44	0	0	0	15	61	0	120
More than $50,000	0	25	0	0	12	61	79	0	86	0	0	242	0	505

1984 SURVEY OF ATLANTIC FISHERMEN

Table 10.3: Ranges of net fishing income, active part-time fishermen, by Task Force Area

Income Range	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Less than $1	40	128	52	181	65	141	365	32	0	50	109	135	124	1 422
$1 - $5,000	1 884	1 787	727	952	530	473	811	811	517	418	495	816	258	10 479
$5,001 - $10,000	68	229	144	321	0	161	79	71	20	35	119	299	36	1 582
$10,001 - $15,000	34	31	0	18	0	60	55	0	0	0	54	190	20	462
$15,001 - $20,000	0	0	0	0	0	0	34	26	0	24	16	166	30	296
$20,001 - $25,000	0	0	0	0	69	0	0	0	0	0	0	36	15	120
$25,001 - $30,000	0	0	57	0	0	0	0	0	0	0	0	52	0	109
$30,001 - $35,000	0	25	0	0	0	0	0	0	0	0	33	46	15	119
$35,001 - $40,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$40,001 - $45,000	0	0	0	0	0	0	0	0	19	0	0	0	0	19
$45,001 - $50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
More than $50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1984 SURVEY OF ATLANTIC FISHERMEN

Table 10.4: Ranges of net fishing income, all active fishermen, by Region

Income Range	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Less than $1	438	664	1 194	721	3 017
$1 - $5,000	9 622	3 154	6 098	3 261	22 135
$5,001 - $10,000	2 789	1 812	2 828	734	8 163
$10,001 - $15,000	764	1 421	1 582	451	4 218
$15,001 - $20,000	552	1 298	918	109	2 877
$20,001 - $25,000	327	632	360	110	1 429
$25,001 - $30,000	221	455	436	76	1 188
$30,001 - $35,000	141	345	183	24	693
$35,001 - $40,000	17	153	58	29	257
$40,001 - $45,000	0	165	19	12	196
$45,001 - $50,000	0	76	44	0	120
More than $50,000	25	242	165	73	505

1984 SURVEY OF ATLANTIC FISHERMEN

Table 10.5: Ranges of net fishing income, active full-time fishermen, by Region

Income Range	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Less than $1	218	246	616	515	1 595
$1 - $5,000	5 224	1 167	3 007	2 258	11 656
$5,001 - $10,000	2 348	1 323	2 337	573	6 581
$10,001 - $15,000	699	1 157	1 509	391	3 756
$15,001 - $20,000	552	1 062	858	109	2 581
$20,001 - $25,000	327	581	360	41	1 309
$25,001 - $30,000	164	403	436	76	1 079
$30,001 - $35,000	116	251	183	24	574
$35,001 - $40,000	17	153	58	29	257
$40,001 - $45,000	0	165	0	12	196
$45,001 - $50,000	0	76	44	0	120
More than $50,000	25	242	165	73	505

1984 SURVEY OF ATLANTIC FISHERMEN

Table 10.6: Ranges of net fishing income, active part-time fishermen, by Region

Income Range	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Less than $1	220	418	578	206	1 422
$1 - $5,000	4 398	1 987	3 091	1 003	10 479
$5,001 - $10,000	441	489	491	161	1 582
$10,001 - $15,000	65	264	73	60	462
$15,001 - $20,000	0	236	60	0	296
$20,001 - $25,000	0	51	0	69	120
$25,001 - $30,000	57	52	0	0	109
$30,001 - $35,000	25	94	0	0	119
$35,001 - $40,000	0	0	0	0	0
$40,001 - $45,000	0	0	19	0	19
$45,001 - $50,000	0	0	0	0	0
More than $50,000	0	0	0	0	0

1984 SURVEY OF ATLANTIC FISHERMEN

Table 10.7: Ranges of net fishing income, all active fishermen, by Province

Income Range	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Less than $1	684	692	57	721	863	3 017
$1 - $5,000	3 701	2 009	1 319	3 261	11 845	22 135
$5,001 - $10,000	2 018	921	861	734	3 629	8 163
$10,001 - $15,000	1 466	966	366	451	969	4 218
$15,001 - $20,000	1 414	496	142	109	716	2 877
$20,001 - $25,000	659	65	164	110	431	1 429
$25,001 - $30,000	409	288	90	76	325	1 188
$30,001 - $35,000	300	170	58	24	141	693
$35,001 - $40,000	138	49	24	29	17	257
$40,001 - $45,000	184	0	0	12	0	196
$45,001 - $50,000	76	44	0	0	0	120
More than $50,000	328	79	0	73	25	505

1984 SURVEY OF ATLANTIC FISHERMEN

Table 10.8: Ranges of net fishing income, active full-time fishermen, by Province

Income Range	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Less than $1	390	203	25	515	462	1 595
$1 - $5,000	1 455	940	508	2 258	6 495	11 656
$5,001 - $10,000	1 545	806	790	573	2 867	6 581
$10,001 - $15,000	1 222	891	366	391	886	3 756
$15,001 - $20,000	1 208	432	116	109	716	2 581
$20,001 - $25,000	623	50	164	41	431	1 309
$25,001 - $30,000	357	288	90	76	268	1 079
$30,001 - $35,000	221	155	58	24	116	574
$35,001 - $40,000	138	49	24	29	17	257
$40,001 - $45,000	165	0	0	12	0	177
$45,001 - $50,000	76	44	0	0	0	120
More than $50,000	328	79	0	73	25	505

1984 SURVEY OF ATLANTIC FISHERMEN

Table 10.9: Ranges of net fishing income, active part-time fishermen, by Province

Income Range	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Less than $1	294	489	32	206	401	1 422
$1 - $5,000	2 246	1 069	811	1 003	5 350	10 479
$5,001 - $10,000	473	115	71	161	762	1 582
$10,001 - $15,000	244	75	0	60	83	462
$15,001 - $20,000	206	64	26	0	0	296
$20,001 - $25,000	36	15	0	69	0	120
$25,001 - $30,000	52	0	0	0	57	109
$30,001 - $35,000	79	15	0	0	25	119
$35,001 - $40,000	0	0	0	0	0	0
$40,001 - $45,000	19	0	0	0	0	19
$45,001 - $50,000	0	0	0	0	0	0
More than $50,000	0	0	0	0	0	0

1984 SURVEY OF ATLANTIC FISHERMEN

Table 11.1: Ranges of total income, all active fishermen, by Task Force Area

Income Range	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Less than $1	40	37	52	280	292	316	421	48	52	36	79	222	71	1 946
$1 - $5,000	1 521	629	328	914	185	290	80	219	250	142	161	395	266	5 380
$5,001 - $10,000	2 717	1 904	898	1 392	1 237	490	628	809	810	237	214	548	219	12 103
$10,001 - $15,000	1 300	1 692	795	952	784	673	1 303	778	217	162	437	1 070	261	10 424
$15,001 - $20,000	298	623	511	83	328	562	780	740	328	286	338	1 259	97	6 233
$20,001 - $25,000	123	210	485	236	53	40	786	150	263	131	154	1 125	75	3 831
$25,001 - $30,000	66	109	248	104	110	0	88	151	38	70	48	699	72	1 803
$30,001 - $35,000	0	0	175	104	85	40	173	71	54	0	137	346	51	1 236
$35,001 - $40,000	17	25	52	0	0	0	125	91	0	24	54	228	15	631
$40,001 - $45,000	17	0	0	0	0	29	69	24	0	0	0	91	0	230
$45,001 - $50,000	0	0	0	0	0	0	12	0	19	14	15	195	0	255
More than $50,000	0	24	0	0	25	61	157	0	86	0	0	343	30	726

1984 SURVEY OF ATLANTIC FISHERMEN

Table 11.2: Ranges of total income, active full-time fishermen, by Task Force Area

Income Range	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Less than $1	0	0	0	99	280	215	122	25	52	0	40	110	0	943
$1 - $5,000	653	296	119	465	107	189	80	84	126	21	0	158	121	2 419
$5,001 - $10,000	1 969	1 197	492	907	1 135	269	475	329	498	95	82	407	139	7 994
$10,001 - $15,000	1 132	841	648	667	600	396	719	644	183	113	289	675	172	7 079
$15,001 - $20,000	142	457	511	83	109	427	554	598	328	216	206	962	56	4 649
$20,001 - $25,000	77	169	433	164	53	40	751	150	196	71	50	899	60	3 113
$25,001 - $30,000	66	69	134	104	41	0	41	125	38	21	15	572	45	1 271
$30,001 - $35,000	0	0	175	104	85	40	173	71	54	0	93	273	51	1 119
$35,001 - $40,000	17	0	52	0	0	0	125	91	0	24	21	112	15	457
$40,001 - $45,000	17	0	0	0	0	29	69	24	0	0	0	91	0	230
$45,001 - $50,000	0	0	0	0	0	0	12	0	0	14	15	179	0	220
More than $50,000	0	24	0	0	25	61	157	0	86	0	0	343	0	696

1984 SURVEY OF ATLANTIC FISHERMEN

Table 11.3: Ranges of total income, active part-time fishermen, by Task Force Area

Income Range	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Less than $1	40	37	52	181	12	101	299	23	0	36	39	112	71	1 003
$1 - $5,000	868	333	209	449	78	101	0	135	124	121	161	237	145	2 961
$5,001 - $10,000	748	707	406	485	102	221	153	480	312	142	132	141	80	4 109
$10,001 - $15,000	168	851	147	285	184	277	584	134	34	49	148	395	89	3 345
$15,001 - $20,000	156	166	0	0	219	135	226	142	0	70	132	297	41	1 584
$20,001 - $25,000	46	41	52	72	0	0	35	0	67	60	104	226	15	718
$25,001 - $30,000	0	40	114	0	69	0	47	26	0	49	33	127	27	532
$30,001 - $35,000	0	0	0	0	0	0	0	0	0	0	44	73	0	117
$35,001 - $40,000	0	25	0	0	0	0	0	0	0	0	33	116	0	174
$40,001 - $45,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$45,001 - $50,000	0	0	0	0	0	0	0	0	19	0	0	16	0	35
More than $50,000	0	0	0	0	0	0	0	0	0	0	0	0	30	30

1984 SURVEY OF ATLANTIC FISHERMEN

Table 11.4: Ranges of total income, all active fishermen, by Region

Income Range	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Less than $1	129	408	801	608	1 946
$1 - $5,000	2 478	964	1 463	475	5 380
$5,001 - $10,000	5 519	1 218	3 639	1 727	12 103
$10,001 - $15,000	3 787	1 930	3 250	1 457	10 424
$15,001 - $20,000	1 432	1 980	1 931	890	6 233
$20,001 - $25,000	818	1 485	1 435	93	3 831
$25,001 - $30,000	423	889	381	110	1 803
$30,001 - $35,000	175	534	402	125	1 236
$35,001 - $40,000	94	321	216	0	631
$40,001 - $45,000	17	91	93	29	230
$45,001 - $50,000	0	224	31	0	255
More than $50,000	24	373	243	86	726

1984 SURVEY OF ATLANTIC FISHERMEN

Table 11.5: Ranges of total income, active full-time fishermen, by Region

Income Range	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Less than $1	0	150	298	495	943
$1 - $5,000	1 068	300	755	296	2 419
$5,001 - $10,000	3 658	723	2 209	1 404	7 994
$10,001 - $15,000	2 621	1 249	2 213	996	7 079
$15,001 - $20,000	1 110	1 440	1 563	536	4 649
$20,001 - $25,000	679	1 080	1 261	93	3 113
$25,001 - $30,000	269	653	308	41	1 271
$30,001 - $35,000	175	417	402	125	1 119
$35,001 - $40,000	69	172	216	0	457
$40,001 - $45,000	17	91	93	29	230
$45,001 - $50,000	0	208	12	0	220
More than $50,000	24	343	243	86	696

1984 SURVEY OF ATLANTIC FISHERMEN

Table 11.6: Ranges of total income, active part-time fishermen, by Region

Income Range	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Less than $1	129	258	503	113	1 003
$1 - $5,000	1 410	664	708	179	2 961
$5,001 - $10,000	1 861	495	1 430	323	4 109
$10,001 - $15,000	1 166	681	1 037	461	3 345
$15,001 - $20,000	322	540	368	354	1 584
$20,001 - $25,000	139	405	174	0	718
$25,001 - $30,000	154	236	73	69	532
$30,001 - $35,000	0	117	0	0	117
$35,001 - $40,000	25	149	0	0	174
$40,001 - $45,000	0	0	0	0	0
$45,001 - $50,000	0	16	19	0	35
More than $50,000	0	30	0	0	30

1984 SURVEY OF ATLANTIC FISHERMEN

Table 11.7: Ranges of total income, all active fishermen, by Province

Income Range	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Less than $1	389	492	48	608	409	1 946
$1 - $5,000	948	346	219	475	3 392	5 380
$5,001 - $10,000	1 809	847	809	1 727	6 911	12 103
$10,001 - $15,000	1 886	1 564	778	1 457	4 739	10 424
$15,001 - $20,000	2 211	877	740	890	1 515	6 233
$20,001 - $25,000	1 673	861	150	93	1 054	3 831
$25,001 - $30,000	855	160	151	110	527	1 803
$30,001 - $35,000	537	224	71	125	279	1 236
$35,001 - $40,000	306	140	91	0	94	631
$40,001 - $45,000	91	69	24	29	17	230
$45,001 - $50 000	243	12	0	0	0	255
More than $50,000	429	187	0	86	24	726

1984 SURVEY OF ATLANTIC FISHERMEN

Table 11.8: Ranges of total income, active full-time fishermen, by Province.

Income Range	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Less than $1	202	122	25	495	99	943
$1 - $5,000	305	201	84	296	1 533	2 419
$5,001 - $10,000	1 082	614	329	1 404	4 565	7 994
$10,001 - $15,000	1 260	891	644	996	3 288	7 079
$15,001 - $20,000	1 712	610	598	536	1 193	4 649
$20,001 - $25,000	1 216	811	150	93	843	3 113
$25,001 - $30,000	646	86	125	41	373	1 271
$30,001 - $35,000	420	224	71	125	279	1 119
$35,001 - $40,000	157	140	91	0	69	457
$40,001 - $45,000	91	69	24	29	17	230
$45,001 - $50 000	208	12	0	0	0	220
More than $50,000	429	157	0	86	24	696

1984 SURVEY OF ATLANTIC FISHERMEN

Table 11.9: Ranges of total income, active part-time fishermen, by Province.

Income Range	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Less than $1	187	370	23	113	310	1 003
$1 - $5,000	643	145	135	179	1 859	2 961
$5,001 - $10,000	727	233	480	323	2 346	4 109
$10,001 - $15,000	626	673	134	461	1 451	3 345
$15,001 - $20,000	499	267	142	354	322	1 584
$20,001 - $25,000	457	50	0	0	211	718
$25,001 - $30,000	209	74	26	69	154	532
$30,001 - $35,000	117	0	0	0	0	117
$35,001 - $40,000	149	0	0	0	25	174
$40,001 - $45,000	0	0	0	0	0	0
$45,001 - $50 000	35	0	0	0	0	35
More than $50,000	0	30	0	0	0	30

1984 SURVEY OF ATLANTIC FISHERMEN

Table 12.1: Number of fishermen fishing each species, all active fishermen, by Task Force Area

Species	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Groundfish	5 616	4 457	3 375	3 572	1 584	2 365	1 503	1 506	1 083	771	1 074	3 758	369	31 033
Herring/capelin	1 391	2 043	532	1 535	766	502	1 641	840	787	331	616	1 103	359	12 446
Mackerel	701	584	214	94	301	96	860	624	678	529	787	917	21	6 406
Salmon	2 441	594	160	654	260	0	140	91	124	21	34	81	0	4 600
Lobster	1 897	555	1 019	2 155	639	444	2 113	2 382	1 608	802	865	3 463	411	18 353
Crab	78	485	0	0	634	78	977	49	600	36	183	42	0	3 162
Shrimp	0	0	0	356	0	61	462	24	0	0	0	0	0	903
Scallops	34	0	141	391	167	0	327	406	239	78	81	1 153	217	3 234
Squid	115	743	56	0	0	0	0	0	0	0	15	0	0	929
Clams/oysters	0	0	0	0	12	20	614	705	20	21	17	116	89	1 614
Others	69	289	341	360	328	316	369	1 252	344	199	70	814	456	5 207

1984 SURVEY OF ATLANTIC FISHERMEN

Table 12.2: Number of weeks fished by species, all active fishermen, by Task Force Area

Species	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Groundfish	61 858	60 552	77 773	37 621	21 952	31 209	12 837	15 678	14 602	10 964	21 252	81 429	2 823	450 550
Herring/capelin	3 647	5 411	2 100	6 434	4 503	4 204	9 600	4 512	7 536	2 489	4 310	11 745	3 811	70 302
Mackerel	3 165	2 659	1 329	244	2 665	480	5 160	3 504	6 194	4 548	5 505	9 516	537	45 506
Salmon	11 688	2 210	1 289	3 055	1 622	0	280	372	1 038	43	103	220	0	21 920
Lobster	12 227	3 036	8 842	15 565	5 819	4 015	17 992	19 718	12 667	7 429	7 446	45 785	5 425	165 966
Crab	1 140	7 504	0	0	7 180	746	9 185	197	3 424	93	1 194	593	0	31 256
Shrimp	0	0	0	7 448	0	1 595	10 883	48	0	0	0	0	0	19 974
Scallops	506	0	1 344	3 556	1 635	0	2 265	1 816	979	1 033	670	27 917	2 188	43 909
Squid	206	2 746	142	0	0	0	0	0	0	0	124	0	0	3 218
Clams/oysters	0	0	0	0	35	549	2 062	6 697	40	21	190	1 614	1 267	12 475
Others	457	1 109	4 882	1 660	3 134	2 142	2 738	10 117	1 216	1 402	300	7 025	6 604	42 786

1984 SURVEY OF ATLANTIC FISHERMEN

Table 12.3: Average number of weeks fished for each species by fishermen fishing the species, all active fishermen, by Task Force Area

Species	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Groundfish	11.0	13.6	23.0	10.5	13.9	13.2	8.5	10.4	13.5	14.2	19.8	21.7	7.7	14.5
Herring/capelin	2.6	2.7	4.0	4.2	5.9	8.4	5.9	5.4	9.6	7.5	7.0	10.7	10.6	5.7
Mackerel	4.5	4.6	6.2	2.6	8.9	5.0	6.0	5.6	9.1	8.6	7.0	10.4	25.6	7.1
Salmon	4.8	3.7	8.1	4.7	6.2	0.0	2.0	4.1	8.4	2.1	3.0	2.7	0.0	4.8
Lobster	6.5	5.5	8.7	7.2	9.1	9.0	8.5	8.3	7.9	9.3	8.6	13.2	13.2	9.0
Crab	14.6	15.5	0.0	0.0	11.3	9.6	9.4	4.0	5.7	2.6	6.6	14.1	0.0	9.9
Shrimp	0.0	0.0	0.0	20.9	0.0	26.2	23.6	2.0	0.0	0.0	0.0	0.0	0.0	22.1
Scallops	14.9	0.0	9.5	9.1	9.8	0.0	6.9	4.5	4.1	13.2	8.3	24.2	9.8	13.6
Squid	1.8	3.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	3.5
Clams/oysters	0.0	0.0	0.0	0.0	2.9	27.5	3.4	9.5	2.0	1.0	11.2	13.9	14.2	7.7
Others	6.6	3.8	14.3	4.6	9.6	6.8	7.4	8.1	3.5	7.1	4.3	8.6	14.5	8.2

1984 SURVEY OF ATLANTIC FISHERMEN

Table 12.4: Number of fishermen fishing each species, all active fishermen, by Region

Species	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Groundfish	13 448	5 972	7 664	3 949	31 033
Herring/capelin	3 966	2 409	4 803	1 268	12 446
Mackerel	1 499	2 254	2 256	397	6 406
Salmon	3 195	136	1 009	260	4 600
Lobster	3 471	5 541	8 258	1 083	18 353
Crab	563	261	1 626	712	3 162
Shrimp	0	0	842	61	903
Scallops	175	1 529	1 363	167	3 234
Squid	914	15	0	0	929
Clams/oysters	0	243	1 339	32	1 614
Others	699	1 539	2 325	644	5 207

1984 SURVEY OF ATLANTIC FISHERMEN

Table 12.5: Number of weeks fished by species, all active fishermen, by Region

Species	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Groundfish	200 183	116 468	80 738	53 161	450 550
Herring/capelin	11 158	22 355	28 082	8 707	70 302
Mackerel	7 153	20 106	15 102	3 145	45 506
Salmon	15 187	366	4 745	1 622	21 920
Lobster	24 105	66 085	65 942	9 834	165 966
Crab	8 644	1 880	12 806	7 926	31 256
Shrimp	0	0	18 379	1 595	19 974
Scallops	1 850	31 738	8 616	1 635	43 839
Squid	3 094	124	0	0	3 218
Clams/oysters	0	3 092	8 799	584	12 475
Others	6 448	15 331	15 731	5 276	42 786

1984 SURVEY OF ATLANTIC FISHERMEN

Table 12.6: Average number of weeks fished for each species by fishermen fishing the species, all active fishermen, by Region

Species	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Groundfish	14.9	19.5	10.5	13.5	14.5
Herring/capelin	2.8	9.3	5.9	6.9	5.7
Mackerel	4.8	8.9	6.7	7.9	7.1
Salmon	4.8	2.7	4.7	6.2	4.8
Lobster	6.9	11.9	8.0	9.1	9.0
Crab	15.4	7.2	7.9	11.1	9.9
Shrimp	0.0	0.0	21.8	26.2	22.1
Scallops	10.6	20.8	6.3	9.8	13.6
Squid	3.4	8.3	0.0	0.0	3.5
Clams/oysters	0.0	12.7	6.6	18.3	7.7
Others	6.6	10.0	6.8	8.2	8.2

1984 SURVEY OF ATLANTIC FISHERMEN

Table 12.7: Number of fishermen fishing each species, all active fishermen, by Province

Species	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Groundfish	6 686	1 872	1 506	3 949	17 020	31 033
Herring/capelin	2 837	2 000	840	1 268	5 501	12 446
Mackerel	2 911	881	624	397	1 593	6 406
Salmon	260	140	91	260	3 849	4 600
Lobster	6 738	2 524	2 382	1 083	5 626	18 353
Crab	861	977	49	712	563	3 162
Shrimp	0	462	24	61	356	903
Scallops	1 551	544	406	167	566	3 234
Squid	15	0	0	0	914	929
Clams/oysters	174	703	705	32	0	1 614
Others	1 427	825	1 252	644	1 059	5 207

1984 SURVEY OF ATLANTIC FISHERMEN

Table 12.8: Number of weeks fished by species, all active fishermen, by Province

Species	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Groundfish	128 247	15 660	15 678	53 161	237 804	450 550
Herring/capelin	26 080	13 411	4 512	8 707	17 592	70 302
Mackerel	25 763	5 697	3 504	3 145	7 397	45 506
Salmon	1 404	280	372	1 622	18 242	21 920
Lobster	73 327	23 417	19 718	9 834	39 670	165 966
Crab	5 304	9 815	197	7 926	8 644	31 256
Shrimp	0	10 883	48	1 595	7 448	19 974
Scallops	30 599	4 383	1 816	1 635	5 406	43 839
Squid	124	0	0	0	3 094	3 218
Clams/oysters	1 865	3 329	6 697	584	0	12 475
Others	9 943	9 342	10 117	5 276	8 108	42 786

1984 SURVEY OF ATLANTIC FISHERMEN

Table 12.9: Average number of weeks fished for each species by fishermen fishing the species, all active fishermen, by Province

Species	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Groundfish	19.2	8.4	10.4	13.5	13.2	14.5
Herring/capelin	9.2	6.7	5.4	6.9	3.2	5.7
Mackerel	8.9	6.5	5.6	7.9	4.6	7.1
Salmon	5.4	2.0	4.1	6.2	4.7	4.8
Lobster	10.8	9.3	8.3	9.1	7.1	9.0
Crab	6.2	9.4	4.0	11.1	15.4	9.9
Shrimp	0.0	23.6	2.0	26.2	20.9	22.1
Scallops	19.7	8.1	4.5	9.8	9.6	13.6
Squid	8.3	0.0	0.0	0.0	3.4	3.5
Clams/oysters	10.7	4.7	9.5	18.3	0.0	7.7
Others	7.0	11.3	8.1	8.2	7.7	8.2

1984 SURVEY OF ATLANTIC FISHERMEN

Table 13.1: Types of vessels worked on the most*, all active fishermen, by Task Force Area

Vessel Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Dragger	51	267	137	706	130	38	550	49	275	36	49	2 647	139	5 074
Multi-purpose	0	70	0	57	249	0	0	139	857	0	730	1 168	45	3 315
Tender	290	494	188	967	1 175	407	2 430	2 721	1 116	879	265	2 883	698	14 513
Longliner	1 162	2 269	493	511	209	638	47	0	57	36	153	1 132	47	6 754
Gillnetter	34	0	0	275	148	633	358	23	0	0	107	84	80	1 742
Outboard	5 791	3 020	2 194	2 451	340	542	457	562	34	74	187	661	415	16 728
Trawler	0	242	1 580	0	931	316	1 010	0	137	288	335	297	21	5 157
Seiner	0	0	0	0	0	40	132	23	34	0	66	261	160	716
Other	0	37	59	0	102	40	214	9	0	0	83	0	0	544

* Based on up to three vessels on which fishermen may have worked in 1984. Information was requested on these vessels, beginning with the vessel worked on for the most time.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 13.2: Number of weeks worked by vessel category*, all active fishermen, by Task Force Area

Vessel Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Dragger	472	889	4 143	12 014	1 766	153	7 597	519	1 666	930	988	53 168	1 151	85 456
Multi-purpose	0	702	0	910	3 237	0	0	3 162	15 320	0	11 339	24 313	1 016	59 999
Tender	3 972	5 679	3 168	12 262	12 684	4 539	23 977	39 202	12 458	14 377	3 877	42 244	10 874	189 313
Longliner	16 952	29 070	10 790	6 105	3 151	9 791	560	0	1 530	809	3 558	24 075	425	106 816
Gillnetter	489	0	0	5 680	1 927	10 330	4 552	453	0	0	2 463	1 134	1 009	28 037
Outboard	63 107	37 044	35 520	29 284	4 522	5 200	3 210	7 627	168	881	2 926	8 518	5 428	203 435
Trawler	0	4 397	34 791	0	10 490	4 870	14 029	0	2 690	4 518	5 710	8 238	41	89 774
Seiner	0	0	0	0	0	1 085	3 492	272	67	0	860	5 280	1 707	12 763
Other	0	440	2 190	0	1 021	40	4 030	92	0	0	1 962	0	0	9 775

* Based on up to three vessels on which fishermen may have worked in 1984. Information was requested on these vessels, beginning with the vessel worked on for the most time.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 13.3: Average number of weeks worked by vessel category*, by fishermen indicating activity on vessels within the category, all active fishermen, by Task Force Area

Vessel Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Dragger	9.3	3.3	30.2	17.0	13.6	4.0	13.8	10.6	6.1	25.8	20.2	20.1	8.3	16.8
Multi-purpose	0.0	10.0	0.0	16.0	13.0	0.0	0.0	22.8	17.9	0.0	15.5	20.8	22.6	18.1
Tender	13.7	11.5	16.9	12.7	10.8	11.2	9.9	14.4	11.2	16.4	14.6	14.7	15.6	13.0
Longliner	14.6	12.8	21.9	12.0	15.1	15.4	11.9	0.0	26.8	22.5	23.3	21.3	9.0	15.8
Gillnetter	14.4	0.0	0.0	20.7	13.0	16.3	12.7	19.7	0.0	0.0	23.0	13.5	12.6	16.1
Outboard	10.9	12.3	16.2	12.0	13.3	9.6	7.0	13.6	4.9	11.9	15.7	12.9	13.1	12.2
Trawler	0.0	18.2	22.0	0.0	11.3	15.4	13.9	0.0	19.6	15.7	17.0	27.7	2.0	17.4
Seiner	0.0	0.0	0.0	0.0	0.0	27.1	26.5	11.8	2.0	0.0	13.0	20.2	10.7	16.3
Other	0.0	11.9	37.1	0.0	10.0	1.0	18.8	10.2	0.0	0.0	23.6	0.0	0.0	18.0

* Based on up to three vessels on which fishermen may have worked in 1984. Information was requested on these vessels, beginning with the vessel worked on for the most time.

Table 13.4: Types of vessels worked on the most*, all active fishermen, by Region

Vessel Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Dragger	455	2 871	1 580	168	5 074
Multi-purpose	70	1 943	1 053	249	3 315
Tender	972	4 725	7 234	1 582	14 513
Longliner	3 924	1 368	615	847	6 754
Gillnetter	34	271	656	781	1 742
Outboard	11 005	1 337	3 504	882	16 728
Trawler	1 822	941	1 147	1 247	5 157
Seiner	0	487	189	40	716
Other	96	83	223	142	544

* Based on up to three vessels on which fishermen may have worked in 1984. Information was requested on these vessels, beginning with the vessel worked on for the most time.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 13.5: Number of weeks worked by vessel category*, all active fishermen, by Region

Vessel Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Dragger	5 504	56 237	21 796	1 919	85 456
Multi-purpose	702	36 668	19 392	3 237	59 999
Tender	12 819	71 372	87 899	17 223	189 313
Longliner	56 812	28 867	8 195	12 942	106 816
Gillnetter	489	4 606	10 685	12 257	28 037
Outboard	135 671	17 753	40 289	9 722	203 435
Trawler	39 188	18 507	16 719	15 360	89 774
Seiner	0	7 847	3 831	1 085	12 763
Other	2 630	1 962	4 122	1 061	9 775

* Based on up to three vessels on which fishermen may have worked in 1984. Information was requested on these vessels, beginning with the vessel worked on for the most time.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 13.6: Average number of weeks worked by vessel category*, by fishermen indicating activity on vessels within the category, all active fishermen, by Region

Vessel Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Dragger	12.1	19.6	13.8	11.4	16.8
Multi-purpose	10.0	18.9	18.4	13.0	18.1
Tender	13.2	15.1	12.2	10.9	13.0
Longliner	14.5	21.1	13.3	15.3	15.8
Gillnetter	14.4	17.0	16.3	15.7	16.1
Outboard	12.3	13.3	11.5	11.0	12.2
Trawler	21.5	19.7	14.6	12.3	17.4
Seiner	0.0	16.1	20.3	27.1	16.3
Other	27.4	23.6	18.5	7.5	18.0

* Based on up to three vessels on which fishermen may have worked in 1984. Information was requested on these vessels, beginning with the vessel worked on for the most time.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 13.7: Types of vessels worked on the most*, all active fishermen, by Province

Vessel Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Dragger	3 007	689	49	168	1 161	5 074
Multi-purpose	2 755	45	139	249	127	3 315
Tender	5 143	3 128	2 721	1 582	1 939	14 513
Longliner	1 378	94	0	847	4 435	6 754
Gillnetter	191	438	23	781	309	1 742
Outboard	956	872	562	882	13 456	16 728
Trawler	1 057	1 031	0	1 247	1 822	5 157
Seiner	361	292	23	40	0	716
Other	83	214	9	142	96	544

* Based on up to three vessels on which fishermen may have worked in 1984. Information was requested on these vessels, beginning with the vessel worked on for the most time.

Table 13.8: Number of weeks worked by vessel category*, all active fishermen, by Province

Vessel Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Dragger	56 752	8 748	519	1 919	17 518	85 456
Multi-purpose	50 972	1 016	3 162	3 237	1 612	59 999
Tender	72 956	34 851	39 202	17 223	25 081	189 313
Longliner	29 972	985	0	12 942	62 917	106 816
Gillnetter	3 957	5 561	453	12 257	6 169	28 037
Outboard	12 493	8 638	7 627	9 722	164 955	203 435
Trawler	21 156	14 070	0	15 360	39 188	89 774
Seiner	6 207	5 199	272	1 085	0	12 763
Other	1 962	4 030	92	1 061	2 630	9 775

* Based on up to three vessels on which fishermen may have worked in 1984. Information was requested on these vessels, beginning with the vessel worked on for the most time.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 13.9: Average number of weeks worked by vessel category*, by fishermen indicating activity on vessels within the category, all active fishermen, by Province

Vessel Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Dragger	18.9	12.7	10.6	11.4	15.1	16.8
Multi-purpose	18.5	22.6	22.8	13.0	12.7	18.1
Tender	14.2	11.1	14.4	10.9	12.9	13.0
Longliner	21.8	10.5	0.0	15.3	14.2	15.8
Gillnetter	18.8	12.7	19.7	15.7	20.0	16.1
Outboard	13.1	9.9	13.6	11.0	12.3	12.2
Trawler	20.0	13.7	0.0	12.3	21.5	17.4
Seiner	17.2	17.8	11.8	27.1	0.0	16.3
Other	23.6	18.8	10.2	7.5	27.4	18.0

* Based on up to three vessels on which fishermen may have worked in 1984. Information was requested on these vessels, beginning with the vessel worked on for the most time.

Appendix IV

TABLES BY PRINCIPAL ROLE

SKIPPER VERSUS CREWMAN

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.1: Weeks spent by activity (average)*, skippers[1], by Task Force Area

Activity	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fishing	14.5	15.2	23.6	16.7	14.6	15.7	12.9	19.9	19.1	19.6	19.9	26.0	22.1	18.1
Preparation	7.0	6.7	7.3	8.9	5.3	4.5	7.7	6.9	8.4	15.0	11.0	7.9	6.5	7.4
Other fishing related activity	0.6	0.5	0.4	1.3	0.4	0.2	1.4	0.6	0.6	0.5	1.1	0.6	0.1	0.7
Fish processing	0.5	1.8	2.3	0.0	0.4	0.7	0.4	0.0	0.3	2.2	1.0	0.5	0.0	0.7
Other occupations	3.7	3.6	3.6	1.1	6.6	7.1	8.4	2.5	3.1	10.1	13.1	6.7	11.4	5.3
Collecting U.I. benefits	21.3	17.8	15.7	17.7	20.6	16.3	17.4	21.2	14.3	12.8	13.6	5.8	3.2	16.2
Other activities	1.8	7.7	2.8	8.0	2.2	6.5	2.4	1.7	4.0	4.6	1.0	3.5	5.6	3.9

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

[1] For the tables in Appendix IV, a skipper is defined as a fisherman who spent the majority of time as a skipper on the vessels worked in 1984.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.2: Weeks spent by activity (average)*, crewmen[1], by Task Force Area

Activity	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fishing	13.5	14.1	24.9	15.2	11.1	12.7	14.0	10.8	13.5	19.6	21.1	26.2	15.7	17.0
Preparation	5.3	5.2	2.1	3.7	2.9	8.3	4.5	1.5	1.8	4.6	5.5	4.4	4.3	4.2
Other fishing related activity	0.2	0.6	0.1	0.7	0.2	0.4	0.3	0.6	0.3	1.4	0.9	0.2	0.5	0.4
Fish processing	0.5	0.3	0.2	1.8	0.2	0.8	0.0	0.0	1.0	2.6	0.6	1.5	0.9	0.7
Other occupations	2.3	2.1	2.0	3.6	1.1	4.2	2.0	6.5	5.0	5.3	3.7	3.5	2.4	3.0
Collecting U.I. benefits	19.8	22.3	10.2	14.9	27.4	18.4	24.3	21.1	12.6	12.1	13.7	9.5	9.7	17.2
Other activities	1.5	4.7	10.8	8.3	1.8	9.9	4.8	3.5	8.2	4.5	3.5	4.9	10.3	5.6

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

[1] For the tables in Appendix IV, a crewman is defined as a fisherman who spent the majority of time as a crewman on the vessels worked in 1984 or as a fisherman who did not use a vessel for fishing activities.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.3: Weeks spent by activity (average)*, skippers, by Region

Activity	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fishing	16.6	23.7	17.0	15.1	18.1
Preparation	7.0	9.1	7.8	4.9	7.4
Other fishing related activity	0.5	0.6	1.0	0.3	0.7
Fish processing	1.3	0.7	0.2	0.5	0.7
Other occupations	3.7	8.8	3.9	6.8	5.3
Collecting U.I. benefits	19.0	7.6	18.3	18.4	16.2
Other activities	4.0	3.5	3.8	4.3	3.9

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.4: Weeks spent by activity (average)*, crewmen, by Region

Activity	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fishing	16.9	23.8	13.9	11.7	17.0
Preparation	4.4	4.5	3.4	5.1	4.2
Other fishing related activity	0.3	0.5	0.5	0.3	0.4
Fish processing	0.3	1.4	0.8	0.4	0.7
Other occupations	2.1	3.6	3.6	2.3	3.0
Collecting U.I. benefits	18.1	10.4	18.9	23.8	17.2
Other activities	5.3	5.2	6.4	5.1	5.6

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.5: Weeks spent by activity (average)*, skippers, by Province

Activity	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fishing	23.1	15.1	19.9	15.1	16.6	18.1
Preparation	9.2	7.4	6.9	4.9	7.3	7.4
Other fishing related activity	0.7	1.1	0.6	0.3	0.7	0.7
Fish processing	0.7	0.3	0.0	0.5	1.0	0.7
Other occupations	7.4	9.2	2.5	6.8	3.2	5.3
Collecting U.I. benefits	9.3	14.0	21.2	18.4	18.8	16.2
Other activities	3.3	3.2	1.7	4.3	4.7	3.9

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 1.6: Weeks spent by activity (average)*, crewmen, by Province

Activity	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fishing	22.5	14.2	10.8	11.7	16.5	17.0
Preparation	4.0	4.4	1.5	5.1	4.2	4.2
Other fishing related activity	0.4	0.3	0.6	0.3	0.4	0.4
Fish processing	1.4	0.2	0.0	0.4	0.7	0.7
Other occupations	4.0	2.1	6.5	2.3	2.5	3.0
Collecting U.I. benefits	10.8	21.9	21.1	23.8	17.3	17.2
Other activities	5.3	5.7	3.5	5.1	6.0	5.6

* Total weeks may not add to 52 due to multiple activities being reported for the same week or incomplete information being provided in the "Other activities" category.

1984 SURVEY OF ATLANTIC FISHERMEN

Table 2.1: Average fishing expenses (in dollars), skippers, by Task Force Area

Expenditure Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Operating costs														
Fuel, oil, grease	978	960	1 339	1 669	1 462	2 519	1 727	2 099	2 172	2 301	1 294	2 868	2 495	1 745
Bait, ice, salt	89	221	669	352	318	704	720	952	1 071	1 429	445	1 956	927	718
Provisions	188	384	436	606	381	452	599	169	243	306	66	549	360	374
Crew shares	397	1 448	3 424	3 735	926	4 851	4 347	3 265	5 010	3 264	1 300	9 240	7 241	3 582
Other operating costs	51	30	27	294	127	400	137	141	2	422	105	250	120	146
Other fishing costs	113	160	149	303	717	316	1 215	649	229	488	298	684	288	437
Vessel and gear repairs	612	800	907	1 643	939	2 610	2 207	1 706	1 898	1 834	953	2 686	2 846	1 561
Vessel and gear losses	228	88	134	971	632	268	408	352	543	1 120	583	724	626	443
Fixed costs														
Insurance	82	251	121	197	200	367	587	237	204	395	313	568	557	297
Union and association dues, accounting fees, rentals, non-fishing licence fees	56	155	108	179	72	197	217	91	111	62	38	266	297	144
Debt repayment														
Payments on gear and vessel	442	390	786	952	1 548	1 278	1 120	820	1 630	1 457	1 163	2 102	2 459	1 096
Interest payments	92	150	110	31	437	295	715	249	391	357	292	766	218	319
Total cash costs*	3 329	5 036	8 210	10 932	7 759	14 257	13 998	10 730	13 504	13 434	6 849	22 659	18 435	10 863

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 2.2: Average fishing expenses (in dollars), crewmen, by Task Force Area

Expenditure Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Operating costs														
Fuel, oil, grease	372	85	154	259	148	736	424	73	39	70	444	153	177	241
Bait, ice, salt	39	46	181	51	41	395	62	29	12	88	268	103	43	92
Provisions	103	311	266	267	204	238	198	13	6	33	193	185	86	190
Crew shares	139	16	219	153	21	0	0	0	0	98	383	194	250	107
Other operating costs	19	5	7	11	43	0	2	6	0	55	48	16	19	14
Other fishing costs	59	43	50	139	116	44	112	30	0	7	0	131	9	77
Vessel and gear repairs	235	49	40	119	91	74	98	20	17	733	222	195	134	131
Vessel and gear losses	124	1	30	73	24	60	2	5	0	73	164	58	40	47
Fixed costs														
Insurance	33	9	6	5	16	0	111	3	4	31	55	15	14	26
Union and association dues, accounting fees, rentals, non-fishing licence fees	43	82	102	59	2	5	35	2	1	11	42	85	5	50
Debt repayment														
Payments on gear and vessel	200	36	74	83	129	0	119	0	16	22	474	118	0	95
Interest payments	33	1	15	19	32	0	142	0	8	17	54	6	1	30
Total cash costs*	1 399	683	1 144	1 238	866	1 551	1 306	182	103	1 239	2 147	1 258	777	1 100

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 2.3: Average fishing expenses (in dollars), skippers, by Region

Expenditure Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Operating costs					
Fuel, oil, grease	1 044	2 489	1 897	1 992	1 745
Bait, ice, salt	248	1 509	756	512	718
Provisions	302	415	410	416	374
Crew shares	1 346	6 941	3 940	2 895	3 582
Other operating costs	39	230	157	264	146
Other fishing costs	135	546	668	516	437
Vessel and gear repairs	733	2 313	1 862	1 778	1 561
Vessel and gear losses	163	735	547	450	443
Fixed costs					
Insurance	146	503	323	284	297
Union and association dues, accounting fees, rentals, non-fishing licence fees	99	207	151	135	144
Debt repayment					
Payments on gear and vessel	493	1 912	1 054	1 412	1 096
Interest payments	115	568	350	366	319
Total cash costs*	4 862	18 367	12 116	11 020	10 863

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 2.4: Average fishing expenses (in dollars), crewmen, by Region

Expenditure Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Operating costs					
Fuel, oil, grease	205	190	261	382	241
Bait, ice, salt	81	120	46	181	92
Provisions	225	162	166	218	190
Crew shares	116	218	51	12	107
Other operating costs	10	25	5	26	14
Other fishing costs	51	88	92	87	77
Vessel and gear repairs	112	244	82	84	131
Vessel and gear losses	52	73	26	38	47
Fixed costs					
Insurance	17	22	44	10	26
Union and association dues, accounting fees, rentals, non-fishing licence fees	74	64	34	3	50
Debt repayment					
Payments on gear and vessel	104	120	74	78	95
Interest payments	16	14	60	19	30
Total cash costs*	1 062	1 340	941	1 138	1 100

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 2.5: Average fishing expenses (in dollars), skippers, by Province

Expenditure Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Operating costs						
Fuel, oil, grease	2 430	1 914	2 099	1 992	1 154	1 745
Bait, ice, salt	1 498	770	952	512	266	718
Provisions	390	541	169	416	356	374
Crew shares	6 554	5 053	3 265	2 895	1 766	3 582
Other operating costs	201	133	41	264	84	146
Other fishing costs	519	989	649	516	165	437
Vessel and gear repairs	2 174	2 363	1 706	1 778	893	1 561
Vessel and gear losses	713	461	352	450	305	443
Fixed costs						
Insurance	442	579	237	284	155	297
Union and association dues, accounting fees, rentals, non-fishing licence fees	179	236	91	135	113	144
Debt repayment						
Payments on gear and vessel	1 796	1 446	820	1 412	574	1 096
Interest payments	577	594	249	366	100	319
Total cash costs*	17 475	15 080	10 730	11 020	5 931	10 863

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 2.6: Average fishing expenses (in dollars), crewmen, by Province

Expenditure Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Operating costs						
Fuel, oil, grease	163	383	73	382	218	241
Bait, ice, salt	106	59	29	181	73	92
Provisions	139	179	13	218	236	190
Crew shares	174	42	0	12	125	107
Other operating costs	21	5	6	26	11	14
Other fishing costs	78	95	30	87	73	77
Vessel and gear repairs	211	104	20	84	113	131
Vessel and gear losses	62	9	5	38	57	47
Fixed costs						
Insurance	19	95	3	10	14	26
Union and association dues, accounting fees, rentals, non-fishing licence fees	57	30	2	3	70	50
Debt repayment						
Payments on gear and vessel	111	99	0	78	99	95
Interest payments	14	118	0	19	17	30
Total cash costs*	1 155	1 217	182	1 138	1 105	1 100

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 3.1: Average fishing income (in dollars), skippers, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish sales (gross)	5 714	9 022	13 094	16 754	11 751	22 566	21 547	21 106	27 715	20 275	12 238	38 608	27 500	18 291
Crew shares and wages	456	50	1 223	0	318	0	85	126	0	0	1 022	2 818	414	625
Sealing	5	0	1	197	0	0	0	0	0	0	0	0	1	15
Rebates	5	3	8	8	23	13	61	55	10	10	49	18	0	20
Other fishing income	108	15	0	0	9	0	33	99	21	0	6	95	0	46
Gross fishing income*	6 287	9 090	14 326	16 958	12 101	22 580	21 726	21 387	27 746	20 286	13 314	41 539	27 915	18 997

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 3.2: Average fishing income (in dollars), crewmen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish sales (gross)	2 855	1 980	5 976	2 511	617	306	581	643	1 491	1 459	2 470	3 439	3 422	2 328
Crew shares and wages	1 840	3 845	7 941	3 765	4 805	6 209	12 237	2 874	3 691	7 169	8 588	12 499	4 215	6 722
Sealing	6	8	0	0	1	0	0	0	0	0	0	0	0	2
Rebates	2	0	0	3	0	0	0	0	0	0	0	1	0	1
Other fishing income	0	0	0	0	0	0	0	204	0	0	0	14	0	11
Gross fishing income*	4 702	5 832	13 917	6 280	5 424	6 515	12 818	3 721	5 181	8 628	11 059	15 951	7 637	9 063

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 3.3: Average fishing income (in dollars), skippers, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish sales (gross)	8 274	30 589	21 117	17 179	18 291
Crew shares and wages	473	1 878	65	158	625
Sealing	2	1	48	0	15
Rebates	5	20	39	18	20
Other fishing income	55	57	45	5	46
Gross fishing income*	8 810	32 543	21 314	17 360	18 997

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 3.4: Average fishing income (in dollars), crewmen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish sales (gross)	3 393	3 106	1 383	494	2 328
Crew shares and wages	4 277	10 599	6 787	5 363	6 722
Sealing	5	0	0	1	2
Rebates	1	1	1	0	1
Other fishing income	0	9	27	0	11
Gross fishing income*	7 675	13 714	8 197	5 857	9 063

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 3.5: Average fishing income (in dollars), skippers, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish sales (gross)	30 431	22 999	21 106	17 179	9 767	18 291
Crew shares and wages	1 710	165	126	158	390	625
Sealing	0	1	0	0	37	15
Rebates	20	46	55	18	5	20
Other fishing income	57	25	99	5	46	46
Gross fishing income*	32 218	23 236	21 387	17 360	10 245	18 997

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 3.6: Average fishing income (in dollars), crewmen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish sales (gross)	2 772	1 058	643	494	3 174	2 328
Crew shares and wages	9 855	10 890	2 874	5 363	4 150	6 722
Sealing	0	0	0	1	4	2
Rebates	1	0	0	0	1	1
Other fishing income	8	0	204	0	0	11
Gross fishing income*	12 634	11 948	3 721	5 857	7 328	9 063

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.1: Average income from other sources (in dollars), skippers, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish processing	140	485	960	0	126	246	507	0	99	957	322	227	0	284
Forestry	146	21	0	0	25	561	0	0	0	0	194	0	832	94
Construction	179	32	255	33	20	65	306	383	443	191	1 273	333	22	240
Other paid employment	1 038	1 400	366	249	3 032	1 506	2 540	387	1 129	2 979	2 805	2 400	2 566	1 540
Total non-fishing employment income*	1 502	1 938	1 581	283	3 203	2 377	3 353	770	1 671	4 126	4 594	2 960	3 420	2 157
Rental property and board	7	0	34	0	0	0	0	12	0	0	0	15	0	7
Investment income and interest	63	46	4	13	11	8	481	71	217	46	267	582	100	167
Regular unemployment insurance	352	702	737	354	569	621	323	177	908	297	857	116	404	442
Fishermen's unemployment insurance	3 369	2 840	2 549	3 264	3 024	2 618	3 340	4 469	2 114	2 747	1 890	1 910	697	2 888
Family allowance	149	72	367	28	133	11	162	139	8	225	381	39	0	123
Social assistance	24	47	69	54	551	291	113	0	0	0	0	88	200	98
Pensions	264	1 352	336	376	91	185	526	43	1 022	902	894	775	424	533
Other income	30	37	0	0	45	0	690	78	291	0	39	314	766	157
Total non-fishing income*	5 759	7 034	5 678	4 371	7 628	6 112	8 988	5 758	6 231	8 342	8 922	6 800	6 011	6 571

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.2: Average income from other sources (in dollars), crewmen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Fish processing	120	111	46	506	37	188	0	0	202	457	137	491	202	204
Forestry	925	19	0	0	0	127	10	0	0	0	12	32	176	123
Construction	76	31	157	130	189	0	33	0	856	159	4	291	649	167
Other paid employment	134	850	468	482	292	458	322	1 537	1 110	1 709	1 703	813	547	652
Total non-fishing employment income*	1 256	1 011	672	1 117	518	773	366	1 537	2 168	2 326	1 857	1 627	1 574	1 146
Rental property and board	0	0	45	0	0	0	0	8	0	0	0	9	0	5
Investment income and interest	14	3	0	34	515	0	1	146	151	0	382	50	0	80
Regular unemployment insurance	527	1 346	1 087	604	2 805	388	1 885	3 687	1 142	1 019	1 000	416	899	1 188
Fishermen's unemployment insurance	2 667	2 984	1 280	2 155	1 093	2 656	3 193	673	1 371	1 605	1 987	2 642	807	2 225
Family allowance	275	146	191	97	182	0	62	181	117	130	261	60	25	132
Social assistance	14	0	44	11	324	310	101	55	0	0	6	0	323	69
Pensions	0	17	46	0	0	77	0	0	234	225	434	70	0	53
Other income	0	139	450	0	0	163	0	104	0	0	0	1 463	0	300
Total non-fishing income*	4 753	5 646	3 815	4 019	5 437	4 366	5 608	6 383	5 183	5 303	5 928	6 338	6 220	5 199

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.3: Average income from other sources (in dollars), skippers, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish processing	417	301	160	186	284
Forestry	75	138	0	294	94
Construction	145	435	284	42	240
Other paid employment	1 025	2 558	1 079	2 266	1 540
Total non-fishing employment income*	1 662	3 432	1 523	2 789	2 157
Rental property and board	10	9	4	0	7
Investment income and interest	46	405	196	10	167
Regular unemployment insurance	544	299	367	595	442
Fishermen's unemployment insurance	3 031	1 853	3 514	2 820	2 888
Family allowance	166	114	100	72	123
Social assistance	41	77	46	421	98
Pensions	640	766	403	138	533
Other income	26	287	266	23	157
Total non-fishing income*	6 166	7 241	6 417	6 867	6 571

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.4: Average income from other sources (in dollars), crewmen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Fish processing	96	407	202	97	204
Forestry	331	40	4	50	123
Construction	81	272	193	114	167
Other paid employment	494	1 004	663	358	652
Total non-fishing employment income*	1 003	1 722	1 062	619	1 146
Rental property and board	13	6	0	0	5
Investment income and interest	6	90	55	311	80
Regular unemployment insurance	988	607	1 574	1 845	1 188
Fishermen's unemployment insurance	2 401	2 266	2 220	1 714	2 225
Family allowance	204	93	98	110	132
Social assistance	17	33	49	318	69
Pensions	19	132	38	30	53
Other income	176	964	14	65	300
Total non-fishing income*	4 826	5 912	5 109	5 012	5 199

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.5: Average income from other sources (in dollars), skippers, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish processing	300	383	0	186	343	284
Forestry	31	203	0	294	62	94
Construction	485	237	383	42	126	240
Other paid employment	2 297	2 546	387	2 266	888	1 540
Total non-fishing employment income*	3 113	3 369	770	2 789	1 419	2 157
Rental property and board	8	0	12	0	8	7
Investment income and interest	407	388	71	10	40	167
Regular unemployment insurance	397	343	177	595	511	442
Fishermen's unemployment insurance	2 037	2 695	4 469	2 820	3 072	2 888
Family allowance	108	122	139	72	142	123
Social assistance	48	134	0	421	43	98
Pensions	853	501	43	138	593	533
Other income	232	709	78	23	22	157
Total non-fishing income*	7 203	8 262	5 758	6 867	5 850	6 571

* Totals any not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 4.6: Average income from other sources (in dollars), crewmen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Fish processing	386	34	0	97	198	204
Forestry	20	38	0	50	249	123
Construction	349	137	0	114	93	167
Other paid employment	1 064	360	1 537	358	491	652
Total non-fishing employment income*	1 820	569	1 537	619	1 031	1 146
Rental property and board	6	0	0	0	9	5
Investment income and interest	109	1	146	311	13	80
Regular unemployment insurance	682	1 720	3 687	1 845	892	1 188
Fishermen's unemployment insurance	2 225	2 792	673	1 714	2 340	2 225
Family allowance	103	56	181	110	177	132
Social assistance	1	138	55	318	16	69
Pensions	163	0	0	30	14	53
Other income	867	0	104	65	133	300
Total non-fishing income*	5 976	5 275	6 383	5 012	4 625	5 199

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 5.1: Income summary (in dollars), skippers, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Gross fishing revenue	6 287	9 090	14 326	16 958	12 101	22 580	21 726	21 387	27 746	20 286	13 314	41 539	27 915	18 997
Total fishing costs	3 329	5 036	8 210	10 932	7 759	14 257	13 998	10 730	13 504	13 434	6 849	22 659	18 435	10 863
Net fishing income*	2 959	4 054	6 116	6 027	4 342	8 323	7 728	10 657	14 242	6 851	6 466	18 880	9 480	8 135
Non-fishing employment income	1 502	1 938	1 581	283	3 203	2 377	3 353	770	1 671	4 126	4 594	2 960	3 420	2 157
Transfer payments (excluding U.I.)	436	1 471	773	458	775	488	801	181	1 030	1 127	1 275	903	624	754
Regular U.I.	352	702	737	354	569	621	323	177	908	297	857	116	404	442
Fishermen's U.I.	3 369	2 840	2 549	3 264	3 024	2 618	3 340	4 469	2 114	2 747	1 890	1 910	697	2 888
Other income	100	83	38	13	57	8	1 171	161	509	46	305	911	866	331
Total non-fishing income*	5 759	7 034	5 678	4 371	7 628	6 112	8 988	5 758	6 231	8 342	8 922	6 800	6 011	6 571
Total income from all sources*	8 717	11 088	11 794	10 398	11 970	14 435	16 716	16 415	20 473	15 193	15 388	25 680	15 491	14 705
Net fishing as % of total income	34 %	37 %	52 %	58 %	36 %	58 %	46 %	65 %	70 %	45 %	42 %	74 %	61 %	55 %
U.I. as % of total income	43 %	32 %	28 %	35 %	30 %	22 %	22 %	28 %	15 %	20 %	18 %	8 %	7 %	23 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 5.2: Income summary (in dollars), crewmen, by Task Force Area

Income Category	N.E. Nfld. & Lab.	S.E. Nfld.	South Nfld.	West Nfld.	N.S. Quebec	Gaspé Quebec	Gulf N.B.	P.E.I.	Gulf N.S.	N.E. N.S.	E.S. N.S.	S.W. N.S.	Fundy N.B.	Total Atlantic
Gross fishing revenue	4 702	5 832	13 917	6 280	5 424	6 515	12 818	3 721	5 181	8 628	11 059	15 951	7 637	9 063
Total fishing costs	1 399	683	1 144	1 238	866	1 551	1 306	182	103	1 239	2 147	1 258	777	1 100
Net fishing income*	3 303	5 150	12 772	5 041	4 558	4 963	11 512	3 539	5 079	7 389	8 912	14 694	6 860	7 963
Non-fishing employment income	1 256	1 011	672	1 117	518	773	366	1 537	2 168	2 326	1 857	1 627	1 574	1 146
Transfer payments (excluding U.I.)	289	163	280	108	506	387	163	236	351	355	702	130	348	254
Regular U.I.	527	1 346	1 087	604	2 805	388	1 885	3 687	1 142	1 019	1 000	416	899	1 188
Fishermen's U.I.	2 667	2 984	1 280	2 155	1 093	2 656	3 193	673	1 371	1 605	1 987	2 642	807	2 225
Other income	14	141	496	34	515	163	1	250	151	0	382	1 523	0	386
Total non-fishing income*	4 753	5 646	3 815	4 019	5 437	4 366	5 608	6 383	5 183	5 303	5 928	6 338	6 220	5 199
Total income from all sources*	8 056	10 795	16 587	9 060	9 995	9 330	17 120	9 922	10 261	12 692	14 840	21 032	10 487	13 162
Net fishing as % of total income	41 %	48 %	77 %	56 %	46 %	53 %	67 %	36 %	49 %	58 %	60 %	70 %	65 %	60 %
U.I. as % of total income	40 %	40 %	14 %	30 %	39 %	33 %	30 %	44 %	24 %	21 %	20 %	15 %	16 %	26 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 5.3: Income summary (in dollars), skippers, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Gross fishing revenue	8 810	32 543	21 314	17 360	18 997
Total fishing costs	4 862	18 367	12 116	11 020	10 863
Net fishing income*	3 948	14 176	9 197	6 340	8 135
Non-fishing employment income	1 662	3 432	1 523	2 789	2 157
Transfer payments (excluding U.I.)	846	957	548	631	754
Regular U.I.	544	299	367	595	442
Fishermen's U.I.	3 031	1 853	3 514	2 820	2 888
Other income	82	701	465	32	331
Total non-fishing income*	6 166	7 241	6 417	6 867	6 571
Total income from all sources*	10 114	21 417	15 615	13 207	14 705
Net fishing as % of total income	39 %	66 %	59 %	48 %	55 %
U.I. as % of total income	35 %	10 %	25 %	26 %	23 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 5.4: Income summary (in dollars), crewmen, by Region

Income Category	Newfoundland	Scotia-Fundy	Gulf	Quebec	Total Atlantic
Gross fishing revenue	7 675	13 714	8 197	5 857	9 063
Total fishing costs	1 062	1 340	941	1 138	1 100
Net fishing income*	6 613	12 375	7 256	4 719	7 963
Non-fishing employment income	1 003	1 722	1 062	619	1 146
Transfer payments (excluding U.I.)	240	257	185	459	254
Regular U.I.	988	607	1 574	1 845	1 188
Fishermen's U.I.	2 401	2 266	2 220	1 714	2 225
Other income	195	1 060	69	375	386
Total non-fishing income*	4 826	5 912	5 109	5 012	5 199
Total income from all sources*	11 439	18 287	12 365	9 731	13 162
Net fishing as % of total income	58 %	68 %	59 %	48 %	60 %
U.I. as % of total income	30 %	16 %	31 %	37 %	26 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 5.5: Income summary (in dollars), skippers, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Gross fishing revenue	32 218	23 236	21 387	17 360	10 245	18 997
Total fishing costs	17 475	15 080	10 730	11 020	5 931	10 863
Net fishing income*	14 742	8 155	10 657	6 340	4 314	8 135
Non-fishing employment income	3 113	3 369	770	2 789	1 419	2 157
Transfer payments (excluding U.I.)	1 009	758	181	631	778	754
Regular U.I.	397	343	177	595	511	442
Fishermen's U.I.	2 037	2 695	4 469	2 820	3 072	2 888
Other income	647	1 097	161	32	70	331
Total non-fishing income*	7 203	8 262	5 758	6 867	5 850	6 571
Total income from all sources*	21 945	16 417	16 415	13 207	10 164	14 705
Net fishing as % of total income	67 %	50 %	65 %	48 %	42 %	55 %
U.I. as % of total income	11 %	19 %	28 %	26 %	35 %	23 %

* Totals may not add due to rounding

1984 SURVEY OF ATLANTIC FISHERMEN

Table 5.6: Income summary (in dollars), crewmen, by Province

Income Category	Nova Scotia	New Brunswick	P.E.I.	Quebec	Newfoundland	Total Atlantic
Gross fishing revenue	12 634	11 948	3 721	5 857	7 328	9 063
Total fishing costs	1 155	1 217	182	1 138	1 105	1 100
Net fishing income*	11 479	10 731	3 539	4 719	6 223	7 963
Non-fishing employment income	1 820	569	1 537	619	1 013	1 146
Transfer payments (excluding U.I.)	267	194	236	459	207	254
Regular U.I.	682	1 720	3 687	1 845	892	1 188
Fishermen's U.I.	2 225	2 792	673	1 714	2 340	2 225
Other income	982	1	250	375	155	386
Total non-fishing income*	5 976	5 275	6 383	5 012	4 625	5 199
Total income from all sources*	17 456	16 006	9 922	9 731	10 848	13 162
Net fishing as % of total income	66 %	67 %	36 %	48 %	57 %	60 %
U.I. as % of total income	17 %	28 %	44 %	37 %	30 %	26 %

* Totals may not add due to rounding

APPENDIX V

COMPARISON OF RESULTS OF 1981 and 1984 SURVEYS

This appendix compares the responses results of the 1981 and 1984 Surveys of Atlantic fishermen conducted by the Department of Fisheries and Oceans. The first survey was completed in 1982 for the Task Force on Atlantic fisheries with information for the 1981 fishing year. The sample size included 868 active fishermen in Newfoundland, New Brunswick, Nova Scotia, and P.E.I. The second survey covered fishing activities for 1984 and involved 1,433 active fishermen in all five Atlantic provinces.

Because the sample size in 1984 was almost twice as large as the one used in 1981, there are limits to the level of detail at which comparisons can be made. A larger sample size provides a more accurate picture and a greater degree of confidence in the results. Therefore, comparisons will be made only at the Atlantic-wide level, as the difference in numbers of respondents in the sub-areas (province, region, or task-force area) would make these comparisons somewhat tenuous.

The province of Quebec was not included in the 1981 survey. Its inclusion in 1984 certainly strengthens the representative picture of the Atlantic fishery. However, to provide the most accurate comparisons between the two years, Quebec is excluded from the 1984 totals in this appendix. Therefore, Atlantic averages here are based on respondents in Newfoundland, Nova Scotia, New Brunswick and P.E.I.

In 1981 there were 40,878 fishermen actively fishing in these four provinces -- 23,434 full-timers and 17,444 part-timers. In 1984, there were 39,197 (a decrease of 4%) -- 26,088 full-timers (an increase of 11%) and 13,108 part-timers (a decrease of 25%).

In 1981, respondent fishermen held either a full-time or a part-time licence designation, according to whether or not DFO officials had judged fishing to be their primary occupation during the 1980 fishing season for their particular area. By 1984, an additional "bona-fide" fishermen category existed in parts of New Brunswick, Nova Scotia and P.E.I., so that survey fishermen or respondents designated themselves as either full-time or part-time. The criteria should have been the same except that in 1981 the classification was officially assigned and in 1984 it was self-designated. In 1984, it appears that more fishermen who considered themselves full-time had possibly been considered part-time in 1981.

For the most part, the difference in weeks fished between the two years was small. Full-time fishermen in 1981 fished an average of 23 weeks and part-timers, an average of 12 weeks. This compares to 1984 figures of 21 and 13 respectively.

According to survey results, between 1981 and 1984 the average gross fishing income for all active fishermen in Nova Scotia, New Brunswick, Newfoundland and P.E.I. declined by 2% from $14,477 to $14,122 (current dollars). Regions income of full-time fishermen went down by 15% from $22,452 to $19,017. Part-time fishermen earned 18% more, up from $3,703 in 1981 to $4,381.

Total fishing expenses declined by 20%, from $6,421 in 1981 to $5,161 in 1984. Full-timers incurred $10,510 in expenses in 1981 and $7,355 in 1984, a drop of 30%. Expenses of part-time fishermen declined by 14% from $919 to $794. Fuel, oil, grease, bait, ice, and salt expenses, as well as crew shares, all declined quite substantially between 1981 and 1984. However, repairs, maintenance and expenses due to loss of vessels an gear increased (see Table A).

Average net fishing income rose by 11% from $8,056 in 1981 to $8,962 in 1984. Net fishing income for full-timers declined by 2%, from $11,662. Net fishing income for part-timers increased by 29% from $2,788 to $3,587.

Income and expenses are presented initially in Table IIIA in current-year values, unadjusted for inflation. The inflation rate between 1981 and 1984 was approximately 22.3%. To compare changes in real income, the 1981 dollar values have been adjusted by this rate, and comparisons are made in 1984 dollars in Table B. These comparisons show whether or not fishing income has increased sufficiently to keep pace with the increase in the cost of living.

A comparison of 1981 and 1984 fishing incomes in constant 1984 dollars reveals that fishermen, on average, were earning more from fishing in 1981 than in 1984, a real decline of averaged $17,705 in 1981 and $14,122 in 1984, a real decline of 20%. Full-timers earned 31% less and part-timers earned 3% less.

However, expenses declined as well in 1984 dollars - on average by 34%. Full-time fishermen paid 43% less in expenses in 1984 and part-timers paid 29% less.

Therefore, net fishing income, on average, declined by 9% in real terms. For full-timers, the decline averaged 20%, while for part-timers there was an average 5% gain in real income between 1981 and 1984.

Incomes in the fishery depend on world prices, the resource base, and the number of active fishermen participating in a particular year. Therefore, income from fishing cannot be guaranteed to increase each year with the cost of living. Rising costs, however, may be covered by other sources of income.

Total income from all sources in 1984 averaged $14,805, an increase of 7% over the 1981 average of $13,829 (current dollars). A comparison of sources of total income between the two years in current dollars is presented in Table C. Total non-fishing income for the average fishermen rose by 1% between 1981 and 1984. It increased by 41% for full-time fishermen and fell by 20% for part-time fishermen.

Although the net fishing income for the average full-time fisherman decreased by 2%, his/her total income rose by 8% between 1981 and 1984. For the full-time fishermen, the average value of UI benefits rose by 50%, from $2,466 to $3,706. Other government transfers and pension incomes fell by 8%. The average full-timer earned 41% more from other paid employment and other income sources, such as interest and investment income, or rental and board income.

Part-time fishermen averaged a decrease of 8% in total income between the two survey years, although their net fishing income increased by 29% (current dollars). This was due to a decrease of 14% in income from transfers and pensions, and a decrease of 41% in income from non-fishing employment and other unspecified sources.

Adjusting for inflation between 1981 and 1984, there was an overall decline in fishermen's real incomes from all sources of 12%. These changes are summarized in Table D. Full-timers averaged a decline in real income of 11% and part-timers, 25%. Even considering income from non-fishing employment and government transfers which supplement fishing incomes, the survey reveals that the average fisherman experienced a decline in his/her standard of living between 1981 and 1984.

Table A: Average Fishing Incomes and Expenses, 1981 and 1984 Survey Results

	All fishermen		Full-time		Part-time	
	1981	1984	1981	1984	1981	1984
FISHING INCOME						
Fish sales +crew shares	13 196	14 072 (+7%)	20 909	18 950 (-9%)	2 778	4 362 (+57%)
Sealing	40	9 (-78%)	64	13 (-80%)	9	1 (-89%)
Rebates	46	10 (-78%)	68	14 (-79%)	17	2 (-88%)
Other	897	31 (-97%)	988	39 (-96%)	776	16 (-98%)
Gross fishing income	14 477	14 122 (-2%)	22 452	19 016 (-15%)	3 703	4 381 (+18%)
FISHING EXPENSES						
Fuel, oil, grease	1 181	927 (-22%)	1 914	1 294 (-32%)	201	195 (-3%)
Bait, ice, salt	475	396 (-17%)	756	571 (-24%)	94	47 (-50%)
Crew shares/wages	2 791	1 807 (-35%)	4 668	2 657 (-43%)	276	116 (-58%)
Other operating costs*	376	341 (-9%)	596	455 (-24%)	81	112 (+38%)
Other fishing costs**	48	242 (+404%)	68	338 (+397%)	21	50 (+138%)
Repairs, maintenance, losses	787	1 032 (+31%)	1 275	1 439 (+13%)	130	222 (+71%)
Fixed costs***	525	419 (-20%)	885	604 (-32%)	43	53 (+23%)
Total expenses	6 421	5 163 (-20%)	10 510	7 358 (-30%)	919	794 (-14%)
Net fishing income	8 056	8 959 (+11%)	11 942	11 658 (-2%)	2 788	3 587 (+29%)

* Includes wharfage, provisions, fish transportation, unloading.
** Includes seasonal accommodation, vehicle and travel costs.
*** Includes insurance, interest payments, rentals, fees, dues.

Table B: Average Fishing Incomes and Expenses, 1981 and 1984 Survey Results
(adjusted to 1984 $'s)

	All fishermen		Full-time		Part-time	
	1981	1984	1981	1984	1981	1984
FISHING INCOME						
Fish sales +crew shares	16 139	14 072 (-13%)	25 572	18 950 (-26%)	3 397	4 362 (+28%)
Sealing	49	9 (-82%)	78	13 (-83%)	11	1 (-91%)
Rebates	56	10 (-82%)	83	14 (-83%)	21	2 (-90%)
Other	1 097	31 (-97%)	1 208	39 (-97%)	949	16 (-98%)
Gross fishing income	17 706	14 122 (-20%)	27 459	19 016 (-31%)	4 528	4 381 (-3%)
FISHING EXPENSES						
Fuel, oil, grease	1 444	927 (-36%)	2 341	1 294 (-45%)	246	195 (-21%)
Bait, ice, salt	581	396 (-32%)	925	571 (-38%)	115	47 (-59%)
Crew shares/wages	3 413	1 807 (-47%)	5 709	2 657 (-53%)	338	116 (-66%)
Other operating costs*	460	341 (-26%)	729	455 (-38%)	99	112 (+13%)
Other fishing costs**	59	242 (+310%)	83	338 (+307%)	26	50 (+92%)
Repairs, maintenance, losses	963	1 032 (+7%)	1 559	1 439 (-8%)	159	222 (+40%)
Fixed costs***	642	419 (-35%)	1 082	604 (-44%)	53	53 (0%)
Total expenses	7 853	5 163 (-34%)	12 854	7 358 (-43%)	1 119	794 (-29%)
Net fishing income	9 853	8 959 (-9%)	14 605	11 658 (-20%)	3 409	3 587 (+5%)

* Includes wharfage, provisions, fish transportation, unloading.
** Includes seasonal accommodation, vehicle and travel costs.
*** Includes insurance, interest payments, rentals, fees, dues.

Table C: Income from All Sources, 1981 and 1984 Survey Results

Income Source	All fishermen		Full-time		Part-time	
	1981	1984	1981	1984	1981	1984
Gross Fishing Income	14 477	14 122 (-2%)	22 452	19 016 (-15%)	3 703	4 381 (+18%)
Net Fishing Income	8 056	8 959 (+11%)	11 942	11 658 (-2%)	2 788	3 587 (+29%)
U.I. Income (Fishermen's & Regular)	2 046	3 357 (+64%)	2 466	3 705 (+50%)	1 832	2 663 (+45%)
Transfers and Pensions	565	484 (-14%)	446	410 (-8%)	729	630 (-14%)
Non-Fishing Employment and Other Income*	3 162	2 003 (-37%)	925	1 303 (+41%)	5 848	3 395 (-42%)
Total Non-Fishing Income	5 773	5 843 (+1%)	3 837	5 419 (+41%)	8 409	6 688 (-20%)
Total Income from All Sources	13 829	14 802 (+7%)	15 779	17 077 (+8%)	11 197	10 275 (-8%)

* Other income includes rental income/board, investment/interest income and other unspecified sources of income.

Table D: Income from All Sources, 1981 and 1984 Survey Results
(adjusted for 1984 $'s)

Income Source	All fishermen		Full-time		Part-time	
	1981	1984	1981	1984	1981	1984
Gross Fishing Income	17 706	14 122 (-20%)	27 459	19 016 (-31%)	4 529	4 381 (-3%)
Net Fishing Income	9 853	8 959 (-9%)	14 605	11 658 (-20%)	3 410	3 587 (+5%)
U.I. Income (Fishermen's & Regular)	2 502	3 357 (+34%)	3 016	3 705 (+23%)	2 241	2 663 (+18%)
Transfers and Pensions	691	484 (-30%)	545	410 (-25%)	892	630 (-29%)
Non-Fishing Employment and Other Income*	3 867	2 003 (-48%)	1 131	1 303 (+15%)	7 152	3 395 (-53%)
Total Non-Fishing Income	7 060	5 843 (-17%)	4 693	5 419 (+15%)	10 284	6 688 (-35%)
Total Income from All Sources	16 913	14 802 (-12%)	19 298	17 077 (-11%)	13 694	10 275 (-25%)

* Other income includes rental income/board, investment/interest income and other unspecified sources of income.

Special Surveys Division

1984 SURVEY OF ATLANTIC FISHERMEN

Hi, I'm ______________________ from Statistics Canada. We're conducting a survey for the Department of Fisheries and Oceans. Your answers will be combined with information from other fishermen to provide a profile of the Atlantic fishery including type of fishing, vessels, non-fishing activities and economic concerns. Your responses are strictly confidential as guaranteed by the Statistics Act..

TELEPHONE NO. ______________________

RECORD OF CALLS/VISITS

Call No.	Date	Time of Call/ Visit	Interview Time			Comments
			Began	Ended	Elapsed (min.)	
1						
2						
3						
4						
5						
6						
				Total Elapsed Time		

FINAL STATUS:

Complete .... 1○

Partial .... 2○

Refusal .... 3○

Unable to contact .... 4○

Other ______________________ 5○

A. PERSONAL AND HOUSEHOLD CHARACTERISTICS

1. DID YOU HOLD A PERSONAL COMMERCIAL FISHING LICENCE IN 1984?

Yes 1○ No 2○ ***END***

2. WAS IT FULL-TIME OR PART-TIME?

Full-time 1○ Part-time 2○ Other 3○

3. INCLUDING YOURSELF, HOW MANY PEOPLE LIVE IN THIS HOUSEHOLD? ☐☐

4. HOW OLD ARE YOU? ☐☐ *Enter years*

5. SEX (completed by interviewer) Male 1○ Female 2○

6. EXCLUDING YOURSELF, HOW MANY MEMBERS OF THIS HOUSEHOLD FISHED COMMERCIALLY IN 1984?

☐☐ Number of household members

7. EXCLUDING YOURSELF, HOW MANY MEMBERS OF THIS HOUSEHOLD WORKED IN A FISH PROCESSING PLANT IN 1984?

☐☐ Number of household members

8. DID YOU FISH COMMERCIALLY IN 1984?

Yes 1○ No 2○ → *Go to Item 14*

B. VESSELS

9. HOW MANY DIFFERENT REGISTERED VESSELS DID YOU WORK ON IN 1984?

Household owned ☐☐ Owned by others ☐☐

10. STARTING WITH THE REGISTERED VESSEL YOU WORKED ON FOR THE MOST TIME IN 1984 ... *(If more than 3, ask detail for 3 worked on for the longest period.)*

A. What type of vessel was it?	B. How many weeks did you work on this vessel?	C. Were you the skipper or a crew member?	D. Who owned the vessel?
for office use only Vessel 1 : ☐☐ __________ *(Specify)*	☐☐ No. of weeks	Skipper .... 1○ Crew .... 2○	Household owned... 1○ Other individual(s)... 2○ Company................ 3○
for office use only Vessel 2 : ☐☐ __________ *(Specify)*	☐☐ No. of weeks	Skipper .... 1○ Crew .... 2○	Household owned... 1○ Other individual(s)... 2○ Company................ 3○
for office use only Vessel 3 : ☐☐ __________ *(Specify)*	☐☐ No. of weeks	Skipper .... 1○ Crew .... 2○	Household owned... 1○ Other individual(s)... 2○ Company................ 3○

C. FISHING, EMPLOYMENT AND OTHER ACTIVITIES

11. HOW MANY WEEKS IN 1984 DID YOU . . .

Fish	1	☐☐
Prepare for fishing	2	☐☐
Spend on other fishing related activities	3	☐☐
Work at a fish processing plant	4	☐☐
Work at another occupation	5	☐☐
Collect Unemployment Insurance	6	☐☐
Spend on other activities (i.e. vacation, hunting, etc.)	7	☐☐

12. WHICH SPECIES DID YOU FISH FOR COMMERCIALLY IN 1984? *(Show respondent reference card and ask method where required.)*

A. Type of fish	B. For how many weeks?	C. What method was used?
Groundfish 01○	☐☐	Stern trawl 1○ Trap 4○ Longline 7○ Otter trawl 2○ Gillnet 5○ Seine 8○ Handline 3○ Other 6○
Herring/capelin 02○	☐☐	Weir 1○ Seine 2○ Gillnet 3○ Other 4○
Mackerel 03○	☐☐	Weir 1○ Seine 2○ Gillnet 3○ Other 4○
Salmon 04○	☐☐	Gillnet 1○ Trap 2○ Other 3○
Lobster 05○	☐☐	
Crab 06○	☐☐	
Shrimp 07○	☐☐	
Scallops 08○	☐☐	
Squid 09○	☐☐	
Clams/Oysters 10○	☐☐	
Other 11○	☐☐	→ *Specify type of fish* ____________

13. DID ANY OF THE FOLLOWING FACTORS REDUCE OR LIMIT YOUR FISHING EFFORT IN 1984? *(Read list)*

	Yes	No
Weather	01○	02○
Availability of fish	03○	04○
Area closures	05○	06○
Plant closures	07○	08○
Plant not buying due to surplus	09○	10○
Other employment	11○	12○
Unemployment insurance rules	13○	14○
Gear/boat repair or problems	15○	16○
Quotas reached	17○	18○
Not able to sell fish at an acceptable price	19○	20○

WERE THERE ANY OTHER IMPORTANT FACTORS? ____________

D. EXPENSES

14. HOW MUCH DID YOU AND OTHER HOUSEHOLD MEMBERS PAY IN FISHING LICENCE FEES DURING 1984?

$ Respondent $ Other household members

15. OTHER THAN LICENCE FEES, DID YOU OR ANY MEMBER OF THIS HOUSEHOLD MAKE EXPENDITURES IN 1984 AS A COMMERCIAL FISHERMAN?

Yes 1○   No 2○ →*Go to Item 17*

16. PLEASE PROVIDE THE FOLLOWING EXPENSE INFORMATION FOR YOU AND OTHER MEMBERS OF THIS HOUSEHOLD. *(Enter dollar figures — round off to the nearest dollar.)*

FISHING COSTS	Respondent None	Respondent $	Other Household Members None	Other Household Members $
Fuel, oil, grease for boat	01○		02○	
Bait, ice, salt	03○		04○	
Provisions	05○		06○	
Crew shares – household	07○		08○	
Crew shares – other	09○		10○	
Other operating costs (e.g. fish transportation, unloading, berthage and moorage, etc.)	11○		12○	
Other fishing costs (e.g., accommodation, vehicle operating, travel costs, etc.)	13○		14○	
Vessel/gear repairs	15○		16○	
Losses gear/vessel	17○		18○	
Rentals	19○		20○	
Insurance	21○		22○	
Licence fees (C.B., Loran)	23○		24○	
Union and association dues	25○		26○	
Accounting fees	27○		28○	
Payments on gear/vessel (principal)	29○		30○	
Interest payments	31○		32○	
TOTAL (if no breakdown given)	33○		34○	
Capital Cost Allowance	35○		36○	

E. INCOME

17. DID YOU OR ANY MEMBER OF THIS HOUSEHOLD RECEIVE FISHING INCOME IN 1984?

Yes ¹○ No ²○ →END

18. WOULD YOU PLEASE PROVIDE THE FOLLOWING INCOME INFORMATION FOR YOU AND OTHER MEMBERS OF THIS HOUSEHOLD?

INCOME	Respondent		Other Household Members	
	None	$	None	$
FISHING INCOME				
Fish sales (gross)	01○		02○	
Crew shares/wages	03○		04○	
Sealing	05○		06○	
Rebates (gas, Q.I.P.)	07○		08○	
Other fishing income (e.g., towing, salvage, charters)	09○		10○	
Total fishing income (if no breakdown given)	11○		12○	
OTHER INCOME				
Fish processing	13○		14○	
Forestry	15○		16○	
Construction	17○		18○	
Other paid employment	19○		20○	
Rental property/board	21○		22○	
Investment income/interest	23○		24○	
Unemployment insurance/regular	25○		26○	
Unemployment insurance/fishermens	27○		28○	
Family Allowance	29○		30○	
Social Assistance	31○		32○	
Pensions	33○		34○	
Other – *Specify* ______________________ ______________________	35○		36○	
TOTAL GROSS INCOME (if no breakdown given)	37○		38○	